

KP-46XBR35/53XBR35/61XBR38

RM-Y114A

SERVICE MANUAL

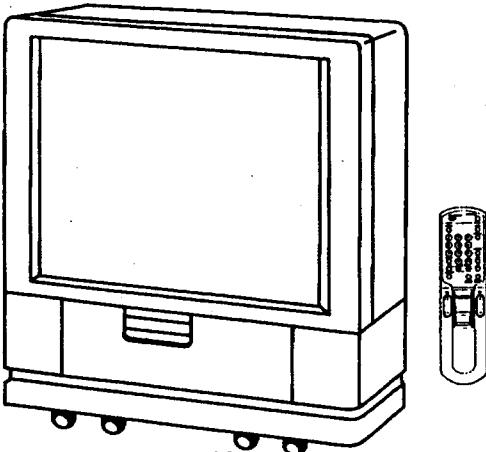


Photo : KP-61XBR38

US Model

KP-46XBR35

Chassis No. SCC-F19R-A

KP-53XBR35

Chassis No. SCC-F19S-A

KP-61XBR38

Chassis No. SCC-F19V-A

Canadian Model

KP-53XBR35

Chassis No. SCC-F23G-A

AP CHASSIS

MODELS OF THE SAME SERIES

KP-46XBR35/53XBR35/61XBR38	KP-46V15/46V16/53V15
KP-46XBR25/53XBR25/61XBR28	KP-53V16/61V15
KP-41EXR95	KP-41EXR96

SPECIFICATIONS

Structure	Screen and projector, rear projection type	Television system	American TV standards
Projection system	3 picture tubes, 3 lenses, horizontal inline system	Channel coverage	VHF: 2-13 UHF: 14-69 CABLE TV: 1-125
Picture tube	7 inch high-brightness monochrome tubes (5.5 raster size), with optical coupling and liquid cooling system	Antenna	75- ohm external antenna terminal for VHF/UHF
Projection lenses	High performance, larger-diameter hybrid lens F 1.0	Input jacks	VIDEO IN 1, 2 and 3 S VIDEO IN (4-pin mini DIN) Y: 1 Vp-p, 75-ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal) 75-ohms
Screen material	Acrylic plastic filter, Acrylic plastic lenticular, Polycarbonate plastic fresnel	Video (phono jacks):	1 Vp-p, 75-ohms unbalanced, sync negative
Projected picture size (in inches, measured diagonally)	46 (KP-46XBR35) 53 (KP-53XBR35) 61 (KP-61XBR38)	Audio (phono jacks):	500 mVrms (100% modulation) Impedance: 47 kilo-ohms
Screen brightness (cd/m ²)	1,240 (KP-46XBR35) 970 (KP-53XBR35) 700 (KP-61XBR38)		

- Continued on next page -

COLOR REAR VIDEO PROJECTOR
SONY®



MICROFILM

Output jacks	MONITOR OUT S VIDEO MONITOR OUT (4-pin mini DIN) Y:1 Vp-p, 75-ohms unbalanced, sync negative Video (phono jacks): 1Vp-p, 75-ohms unbalanced, sync negative Audio (phono jacks): 500mVrms (100% modulation) Impedance:10 kilo-ohms AUDIO (VAR) OUT (phono jacks) More than 900mVrms (100% modulation) at the maximum volume setting (variable) Impedance:5kilo-ohms AUDIO OUT (phono jacks) 900mVrms (100% modulation) Impedance:5kilo-ohms KP-46XBR35/53XBR35 Woofer 120 mm (4 $\frac{3}{4}$ inches) diameter Tweeter 25 mm (1 inches) diameter KP-61XBR38 Woofer 160 mm (6 $\frac{1}{2}$ inches) diameter Tweeter 50 mm (2inches) diameter 20W×2 (FRONT) 10W×2 (REAR) 16Ω NORM. 30W MAX 50W	Power requirements 120 V AC, 60 Hz Power consumption 350W (max.) 280W (avg.) Dimensions (w/h/d) 7W (standby mode) 1,104×1,289×512 mm (43 $\frac{1}{2}$ ×50 $\frac{3}{4}$ ×20 $\frac{1}{4}$ inches) (KP-46XBR35) 1,238×1,339×638 mm (48 $\frac{3}{4}$ ×52 $\frac{3}{4}$ ×25 $\frac{1}{8}$ inches) (KP-53XBR35) 1,521×1,532×780 mm (60×60 $\frac{3}{8}$ ×30 $\frac{3}{4}$ inches) (KP-61XBR38) Weight 90.7 kg (200 lb) (KP-46XBR35) 100.5 kg (221 lb 9 oz) (KP-53XBR35) 180.2 kg (397 lb 5 oz) (KP-61XBR38) Supplied accessories Remote Commander RM-Y114A (1) with 2 size AA (R6) EVEREADY batteries Optional accessories U/V mixer EAC-66 Connecting cable RK-74A VMC-810S/820S YC-15V/30V VCR Tray SU-PJT1 (except for KP-61XBR38)
Speaker	KP-46XBR35/53XBR35	
Speaker output CENTER SPEAKER input	Woofer 120 mm (4 $\frac{3}{4}$ inches) diameter Tweeter 25 mm (1 inches) diameter KP-61XBR38 Woofer 160 mm (6 $\frac{1}{2}$ inches) diameter Tweeter 50 mm (2inches) diameter 20W×2 (FRONT) 10W×2 (REAR) 16Ω NORM. 30W MAX 50W	

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINT SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE.

LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQÜÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

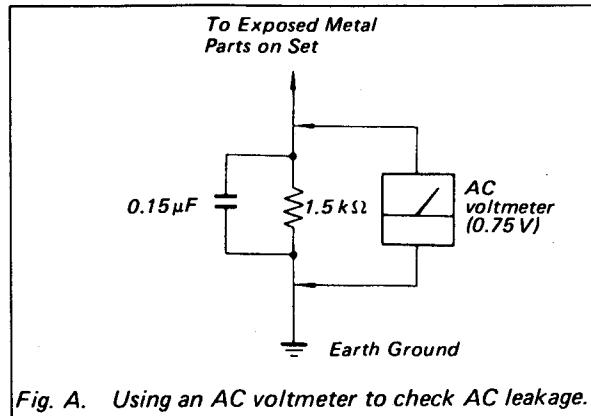


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

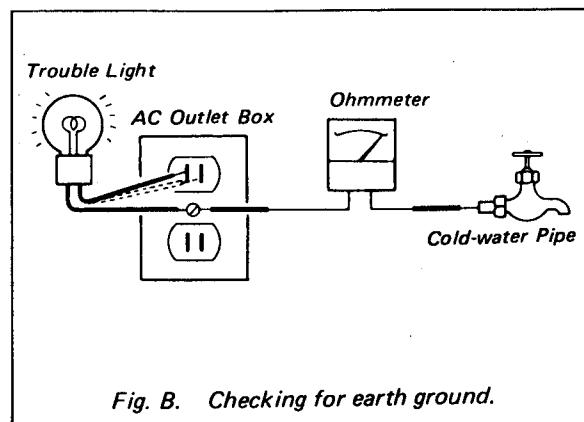


Fig. B. Checking for earth ground.

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The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 1 GENERAL

1-1. UNPACKING AND VIEWING AREA

1 Carefully follow the instructions on the outside of the packing carton to unpack the projection TV.

Notes

- The supplied accessories are packed in the bottom of the carton. Be sure not to throw them away.
- Keep the original carton and packing materials to safely transport the projection TV in the future.

2 Check to make sure that the following is included:

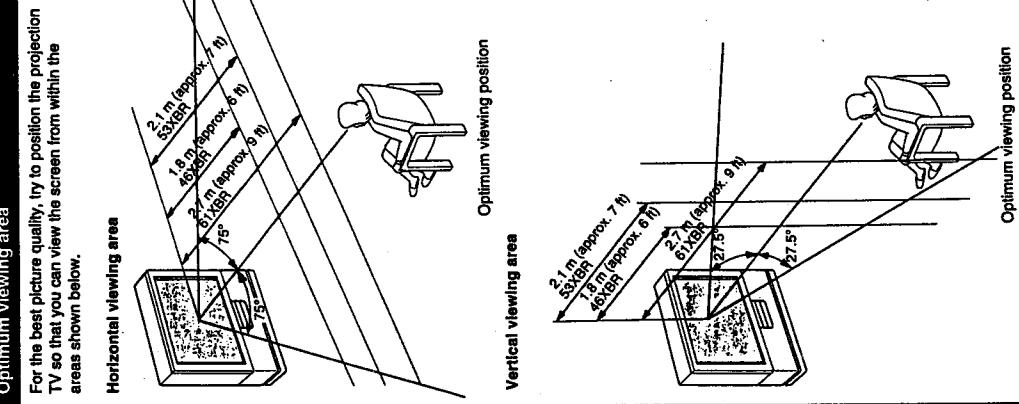
Universal Remote Commander RM-Y114A (1) with 2 size AA (R6) EVEREADY batteries

If the Remote Commander is missing, contact your dealer.

3 Place the projection TV in a cool, dry place where the ventilation openings at the sides are not blocked.

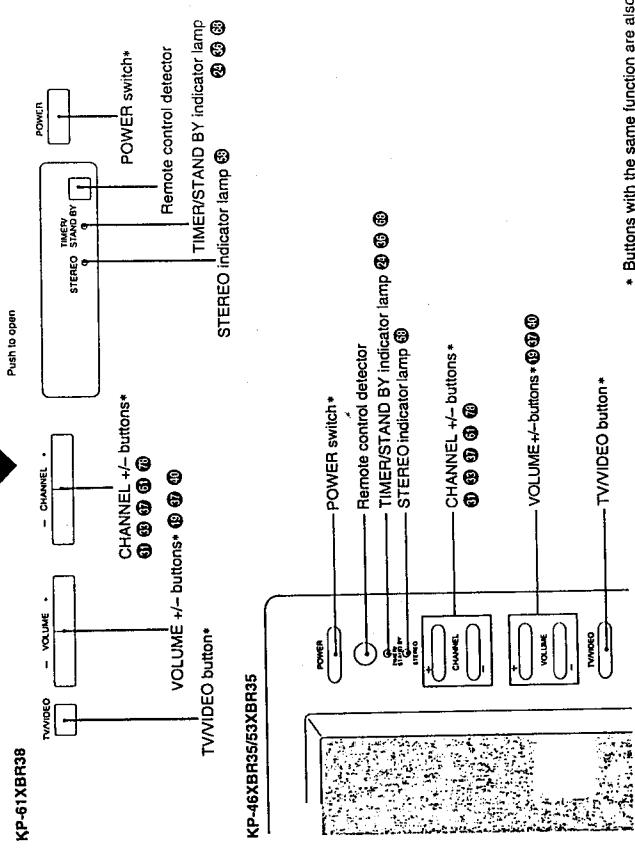
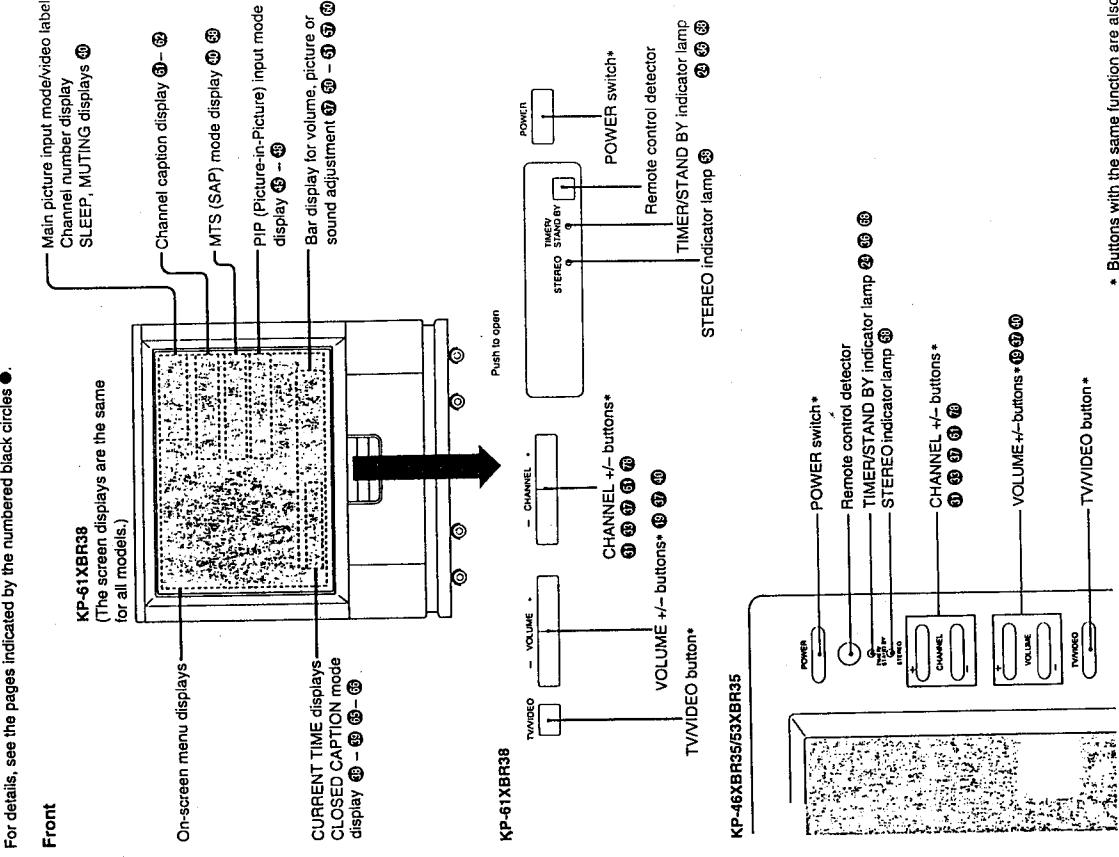
4 Plug the projection TV power cord into an AC 120 volt power outlet.

For further precautions, see p. 2.



1-2. LOCATING CONTROLS AND CONNECTORS

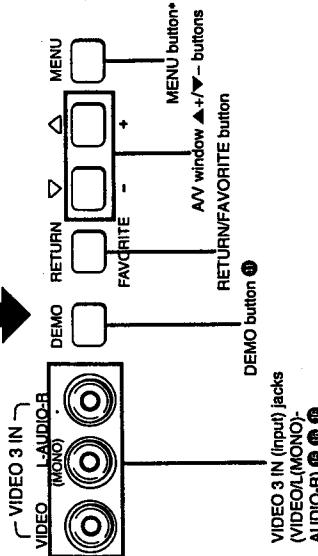
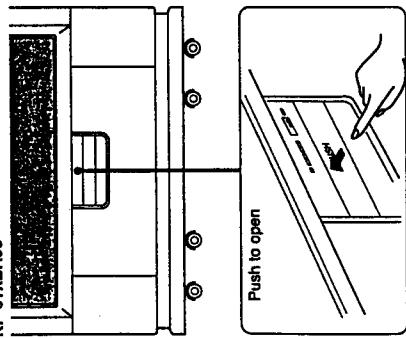
For details, see the pages indicated by the numbered black circles ●.



* Buttons with the same function are also located on the Remote Commander (p. 10).

Front Inner panel

KP-61XB838



- Buttons with the same function are also located on the Remote Commander (p. 10).

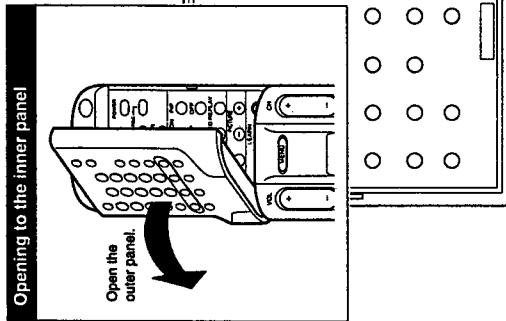
Note

The instructions in this manual are based for the most part on operating the projection TV with the Remote Commander. You can also use the buttons on the projection TV that have the same function.

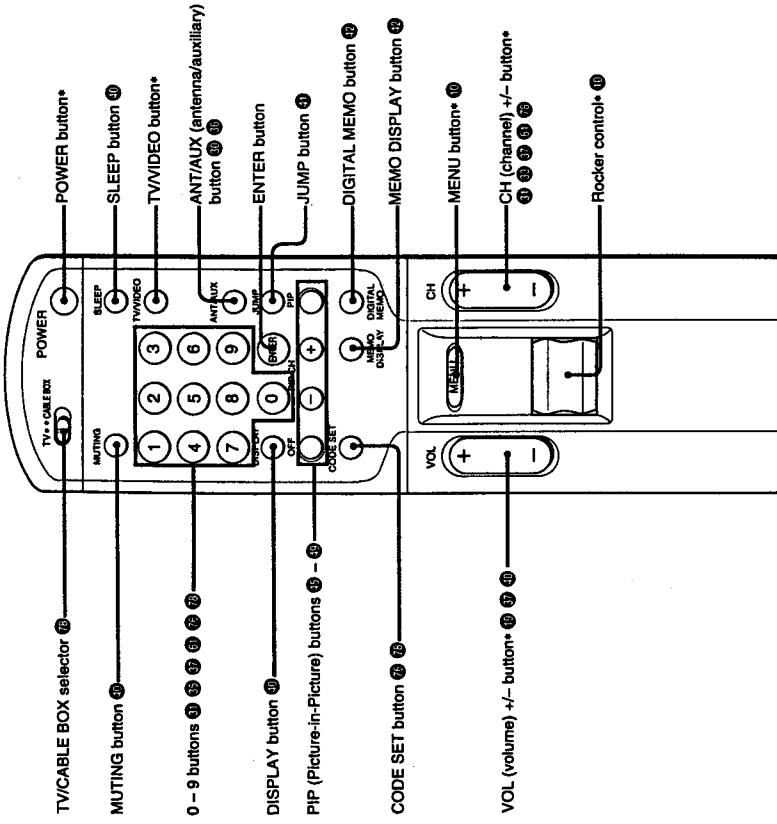
The following are controls that are of different types, but have exactly the same function.

Projection TV	A/V window ▲+▼ buttons	RETURN button
Remote Commander	Rocker control (press up or down)	Rocker control (click)

Remote Commander RM-Y114A (Inner panel controls)

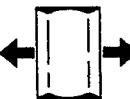


Remote Commander RM-Y114A (Outer panel controls)

**Using the rocker control**

Use the rocker control to make on-screen menu selections
(see p. 22).

Press the control up or down
to make a selection.

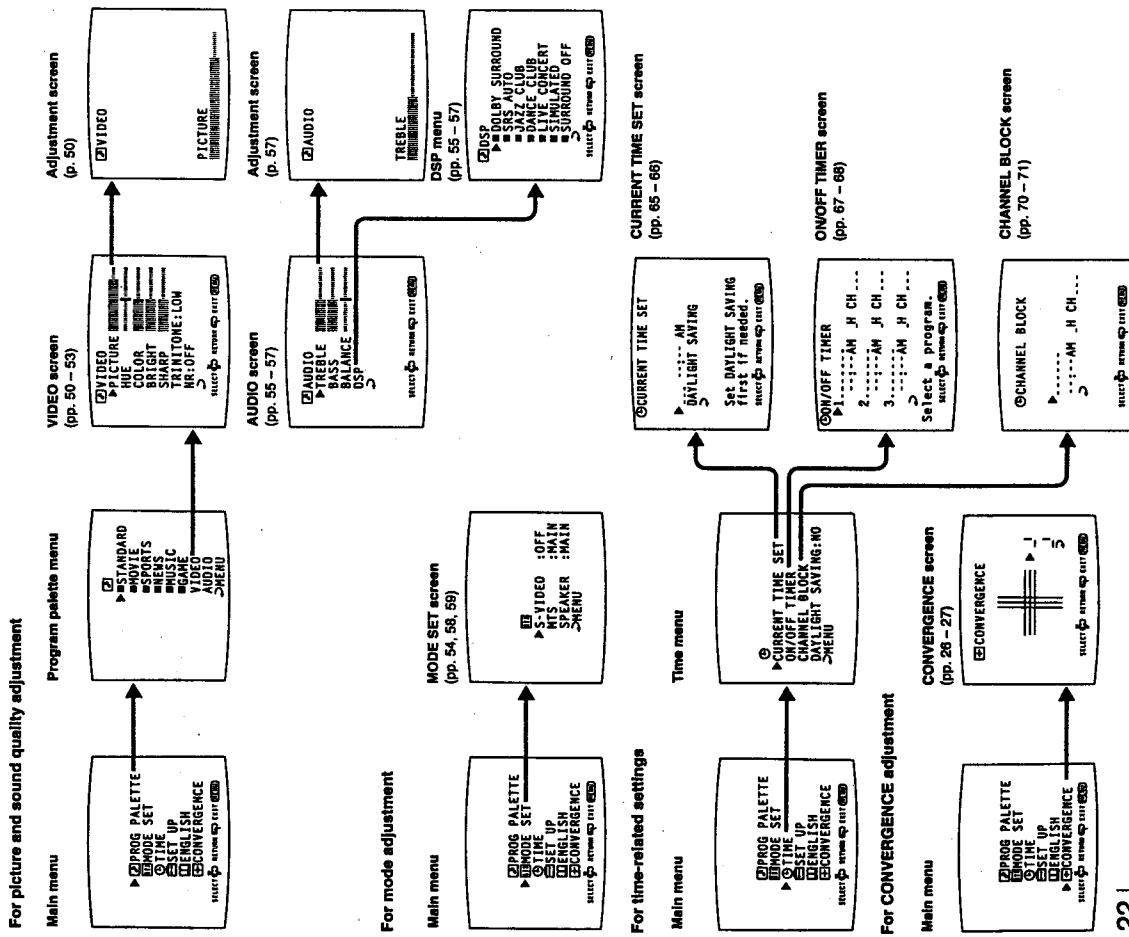


Click the control to execute
the selection.

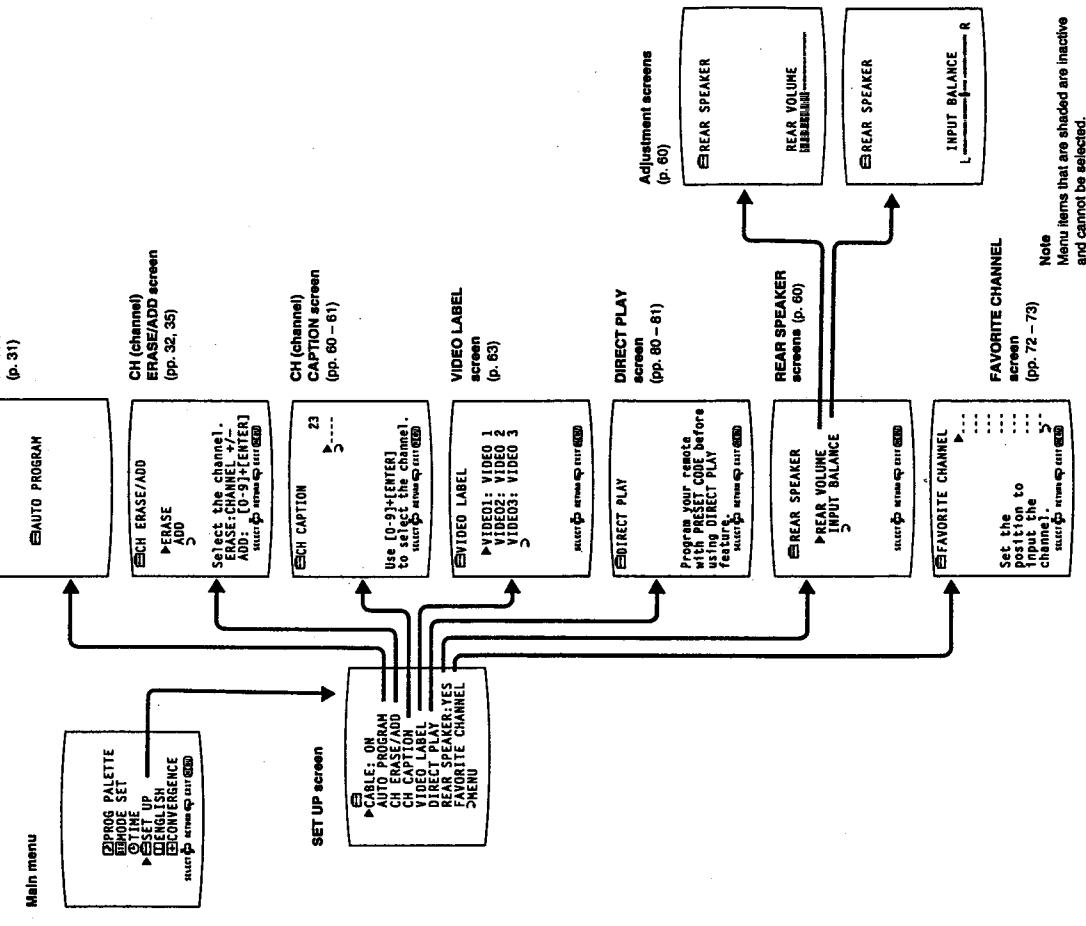
- * Buttons with the same function are also located on the projection TV (pp. 7-8).
- Note**
If the TV/CABLE BOX selector is set to CABLE BOX, the Remote Commander is able to control a connected cable box, not the projection TV (p. 74). Set the selector to TV to control the projection TV with the Remote Commander.

1-3. USING THE ON-SCREEN MENUS

The following flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings. See the indicated pages for instructions on using each feature.

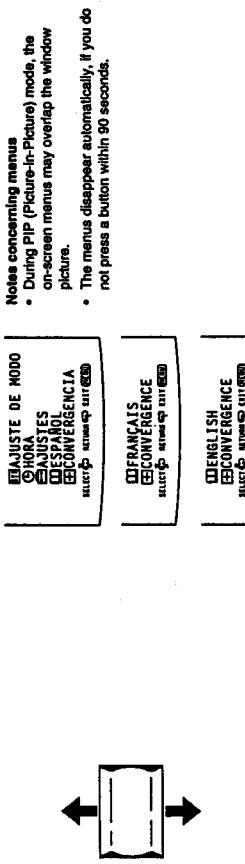


For presetting and other functions



Navigating through the menus
Press MENU.

- To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU".
- Each time you press the rocker control up or down, the "ESPAÑOL," "FRANÇAIS" and "ENGLISH" menus appear.



To return to the main menu
Repeat the above, until you reach the main menu.

- To return to the main menu
Press the rocker control up or down until the cursor points to "► MENU".
- To return to the normal screen
Press MENU on the Remote Commander.

Changing the menu language

The menu language is factory-set to ENGLISH. Follow these instructions to change the menu language to Spanish or French, or back to English.

- Press POWER to turn on the projection TV.
The TIMER/STAND BY indicator blinks until the picture appears.

POWER

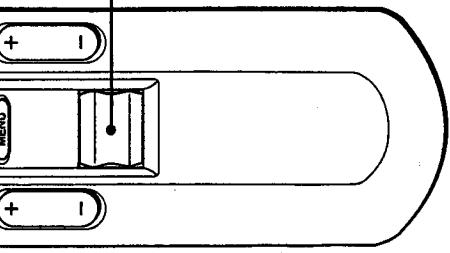


- Press MENU.
The main menu appears.

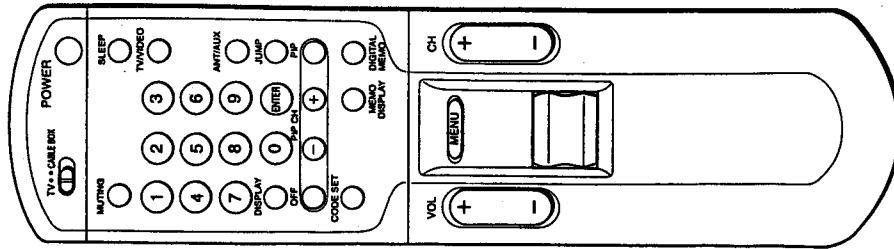
POWER



- Press the rocker control up or down until the cursor points to "► ENGLISH".
Then click the rocker control.
The language display turns red.



1-4. ADJUSTING COLOR REGISTRATION (CONVERGENCE)



In a projection TV, the projection tube image appears on the screen in three color layers (red, green and blue). If these layers are not in proper registration, the color is poor and the picture blurs. To correct this, perform the CONVERGENCE adjustment.

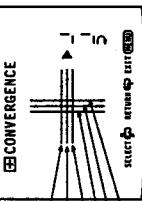
1 Press MENU.
The main menu appears.



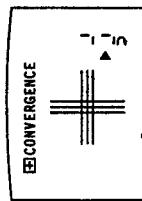
2 Press the rocker control up or down until the cursor points to "CONVERGENCE."



3 Click the rocker control.
The CONVERGENCE screen and the colored adjustment lines appear.



4 Press the rocker control up or down until the cursor points to the symbol representing the line you want to adjust (see the key below).



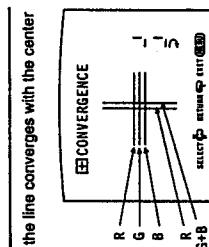
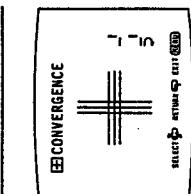
Adjustment line symbols key
 | (red vertical: left/right adjustment)
 - (red horizontal: up/down adjustment)
 | (blue vertical: left/right adjustment)
 - (blue horizontal: up/down adjustment)

5 Click the rocker control.
The adjustment line is selected.

To return to the previous menu
Press the rocker control up or down until the cursor points to "MENU."
Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.

To return to the normal screen.
Press MENU on the Remote Commander.



6 Press the rocker control up or down until the line converges with the center green line. Then click the rocker control.



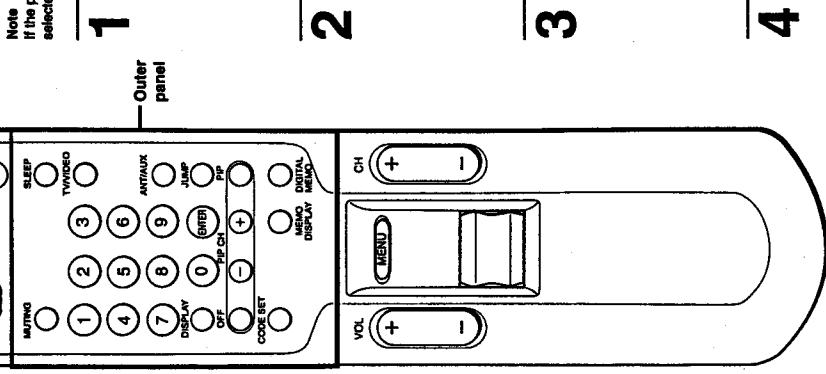
To move up	Press the rocker control up.
To move right	Press the rocker control right.
To move down	Press the rocker control down.
To move left	Press the rocker control left.

7 Repeat steps 4 – 6 to adjust the other lines, until all the lines have overlapped to form a white cross.



1-5. SETTING CABLE ON OR OFF

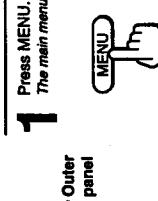
If you have cable connected to the projection TV, follow the steps below to set the cable connection on or off. Set CABLE OFF to preset or watch VHF or UHF channels, and set CABLE ON to preset or watch cable TV channels.



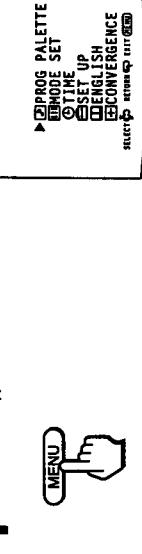
Note

If the projection TV is in video mode, the "CABLE" display is shaded and cannot be selected. Press TV/VIDEO to change to TV mode.

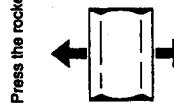
1 Press MENU.



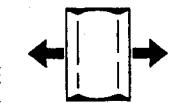
The main menu appears.



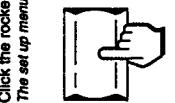
2 Press the rocker control up or down until the cursor points to "SET UP".



3 Press the rocker control up or down until the cursor points to "CABLE".



4 Click the rocker control again.



5 The mode display turns red.



5 Press the rocker control up or down to select "ON" or "OFF".

Cable TV channel chart
Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to the chart below.

Number on this projection TV	Corresponding CATV channel
1	A-8
5	A-7
6	A-6
14	A
15	B
16	C
17	D
18	E
19	F
20	G
21	H
22	I
23	J
24	K
25	L
26	M
27	N
28	O
29	P
30	Q
31	R
32	S
33	T
34	U
35	V
36	W
37	W-1
38	W-2
39	W-3
...	...
93	W-457
94	W-458
95	A-5
96	A-4
97	A-3
98	A-2
99	A-1
100	W-459
101	W-460
102	W-461
...	...
123	W-482
124	W-483
125	W-484

Check with your local cable TV company for more complete information on the available channels.
• The designation of the cable TV channels conforms to the EIA/NCTA recommendation.

1-6. PRESETTING TV CHANNELS

By presetting TV channels to the projection TV, you can select channels by pressing CH (CHANNEL) +/-.
(You can select VHF channels 2 - 13 without presetting.)

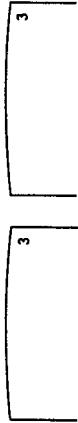
Presetting all receivable channels automatically

Follow these instructions to preset all the receivable VHF, UHF or cable TV channels to the projection TV.

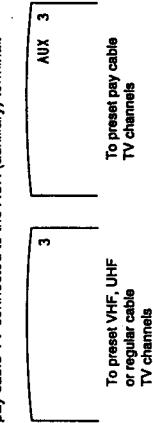
Notes

- If the projection TV is in video mode, the "AUTO PROGRAM" display is shaded and cannot be selected. Press TV/VIDEO to change to TV mode.
- Perform auto programming during the day rather than late at night, when some channels may not be broadcasting.

1 Set the cable connection on or off (pp. 28 - 29) to select the type of channel you want to preset, VHF/UHF or cable TV.



Press ANT/AUX to select the type of channel you want to preset. VHF/UHF/regular cable TV, or pay cable TV connected to the AUX (auxiliary) terminal.



2 Press MENU.
The main menu appears.



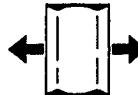
► PROG PALETTE
► MODE SET
► TIME
► SET UP
► ENGLISH
► CONVERGENCE
start p. arrow ↗ ↘ ↙ ↖



3 Press the rocker control up or down until the cursor points to "SET UP."



► PROG PALETTE
► MODE SET
► TIME
► SET UP
► ENGLISH
► CONVERGENCE
start p. arrow ↗ ↘ ↙ ↖



Receivable channels for this projection TV
VHF: 2 - 13
UHF: 14 - 69
Cable: 1 - 111

To select TV channels without presetting
Press the 0 - 9 buttons and ENTER.

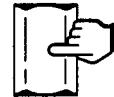
Press the 0 - 9 buttons and ENTER.

To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU."

Then click the rocker control.
To return to the main menu
Repeat the above, until you reach the main menu.

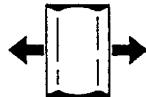
To return to the normal screen.
Press MENU on the Remote Commander.

4 Click the rocker control.
The set up menu appears.



CABLE: ON
► AUTO PROGRAM
CH ERASE ADD
CH CAPTION
VIDEO LABEL
DIRECT PLAY
REAR SPEAKER: NO
FAVORITE CHANNEL
2 MENU

5 Press the rocker control up or down until the cursor points to "AUTO PROGRAM."



CABLE: ON
► AUTO PROGRAM
CH ERASE ADD
CH CAPTION
VIDEO LABEL
DIRECT PLAY
REAR SPEAKER: NO
FAVORITE CHANNEL
2 MENU

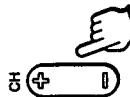
6 Click the rocker control.



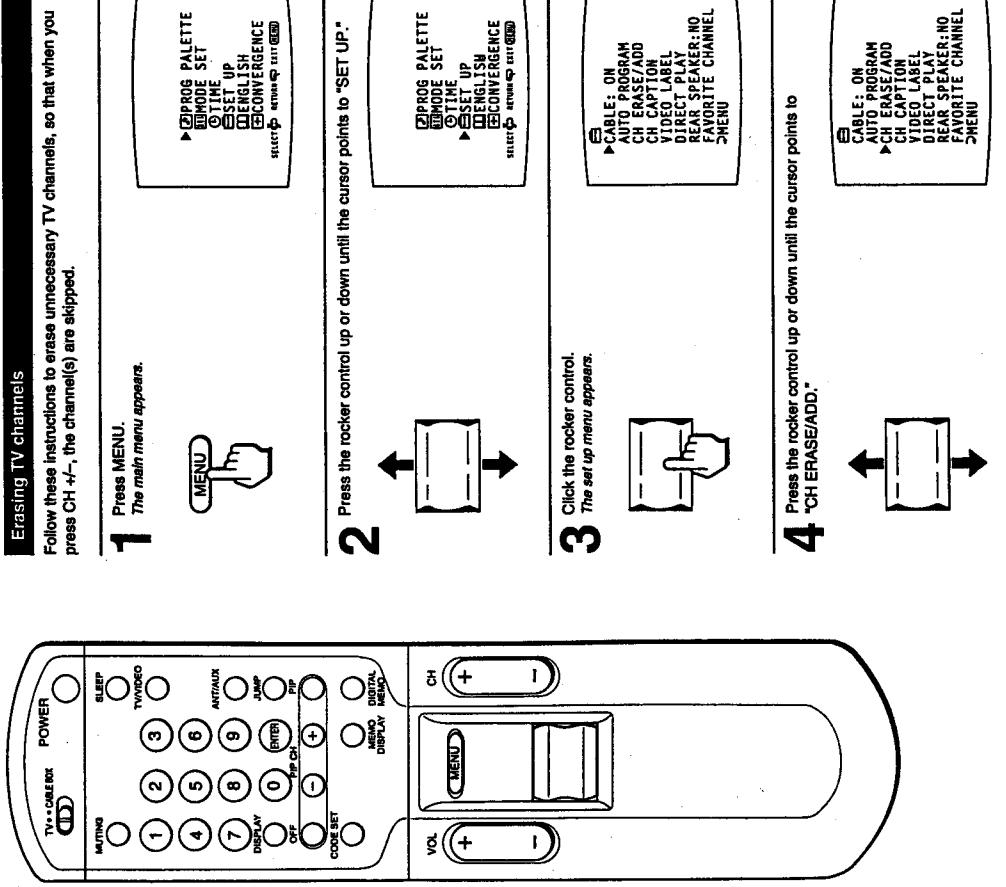
CABLE: ON
► AUTO PROGRAM
CH ERASE ADD
CH CAPTION
VIDEO LABEL
DIRECT PLAY
REAR SPEAKER: NO
FAVORITE CHANNEL
2 MENU

"AUTO PROGRAM" appears on the screen and receivable channels (other than the channels already preset) are preset in numerical sequence. The channels previously preset will not remain in the projection TV's memory. When no more channels are found, auto programming stops and the screen returns automatically to the set up menu.

7 Press CH +/- to check or view the preset channels.



CABLE: ON
► AUTO PROGRAM
CH ERASE ADD
CH CAPTION
VIDEO LABEL
DIRECT PLAY
REAR SPEAKER: NO
FAVORITE CHANNEL
2 MENU



Erasing TV channels

Follow these instructions to erase unnecessary TV channels, so that when you press CH +/-, the channel(s) are skipped.

1 Press MENU.
The main menu appears.



2 Press the rocker control up or down until the cursor points to "SET UP".



3 Click the rocker control.
The set up menu appears.



4 Press the rocker control up or down until the cursor points to "CH ERASE/ADD".



5 Click the rocker control.

The CH ERASE/ADD screen appears, and the cursor points to "ERASE".

To erase another channel
Repeat steps 6 - 7.

To return to the previous menu
Press the rocker control up or down until the cursor points to "▷ MENU".

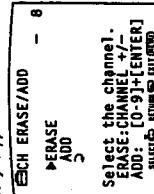
Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.

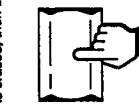
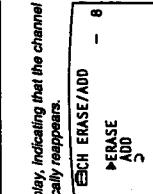
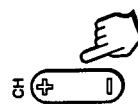
To return to the normal screen
Press MENU on the Remote Commander.

Note

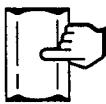
If you erase a VHF or UHF channel, the same number cable TV channel is also erased (and vice versa).



6 Press CH +/- to select the channel you want to erase.
The channel display appears.



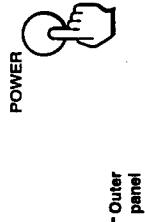
7 Click the rocker control.
A "-" sign appears in front of the channel number display. Indicating that the channel is erased; then the CH ERASE/ADD screen automatically reappears.



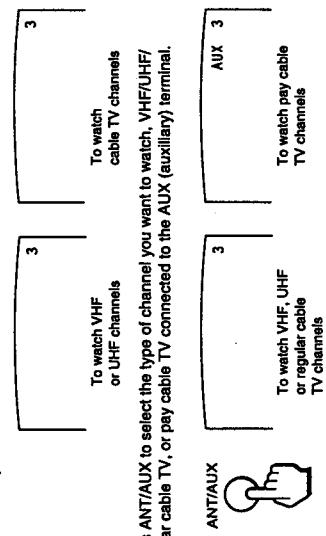
1-7. WATCHING TV PROGRAMS

Make sure that the TV/CABLE BOX selector on the Remote Commander is set to TV. In order to control the projection TV with the Remote Commander.

1 Press POWER to turn on the projection TV.
TIME/STAND BY indicator blinks until the picture appears.

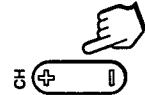


2 Set the cable connection on or off (pp. 28 - 29) to select the type of channel you want to watch, VHF/UHF or cable TV.

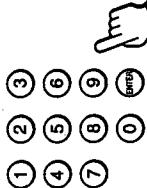


3 Select a channel in one of the following two ways:

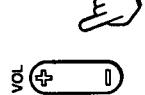
To scan the preset channels in numerical sequence, press CH +/-.



To select a channel directly, press 0 - 9 and then ENTER. For example, to select channel 10, press 1, 0 and ENTER.



4 Press VOL +/- to adjust the volume.



Press + to increase the volume.
Press - to decrease the volume.

If VIDEO 1, VIDEO 2 or VIDEO 3 appears on the screen

Press TV/VIDEO until a TV channel number appears.

To select channels more easily

Set FAVORITE CHANNEL (pp. 72 - 73).

To turn off the projection TV

Press POWER.

3 To scan the preset channels in numerical sequence, press CH +/-.

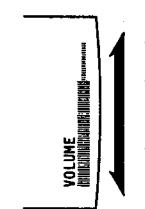
To select a channel directly, press 0 - 9 and then ENTER.



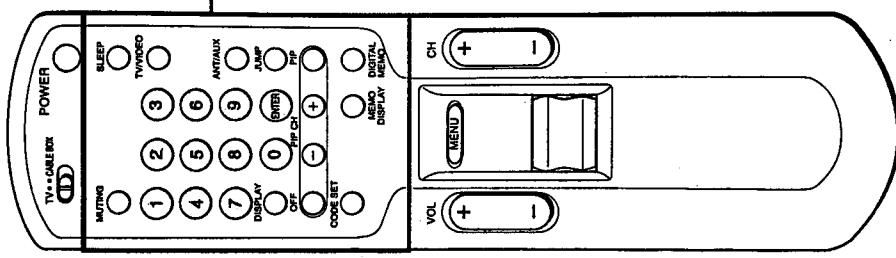
To select a channel directly, press 0 - 9 and then ENTER. For example, to select channel 10, press 1, 0 and ENTER.



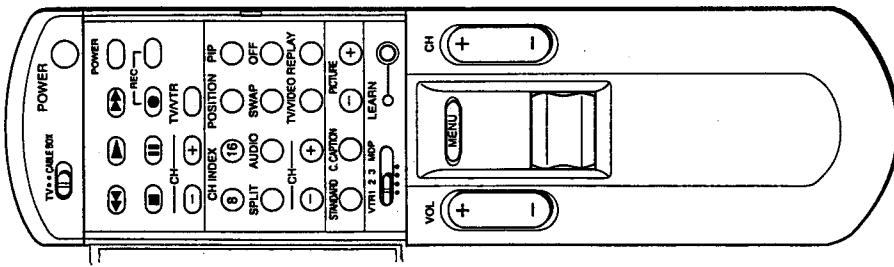
4 Press VOL +/- to adjust the volume.



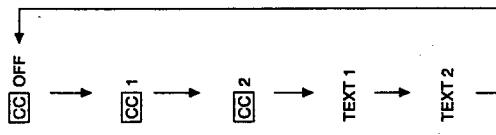
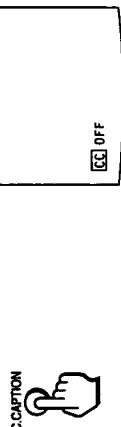
Press + to increase the volume.
Press - to decrease the volume.



1-8. USING CLOSED CAPTION



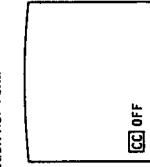
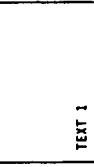
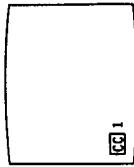
1 Press C.CAPTION.
The closed caption mode appears. CC1, CC2, TEXT1, TEXT2 or CC OFF appears
In sequence each time you press C.CAPTION.



2 Press C.CAPTION repeatedly.



Select CC1 or CC2 to view Captions.
A Caption is a printed version of the dialogue or sound effects of a program. (The mode should be set to CC1 for most programs.)

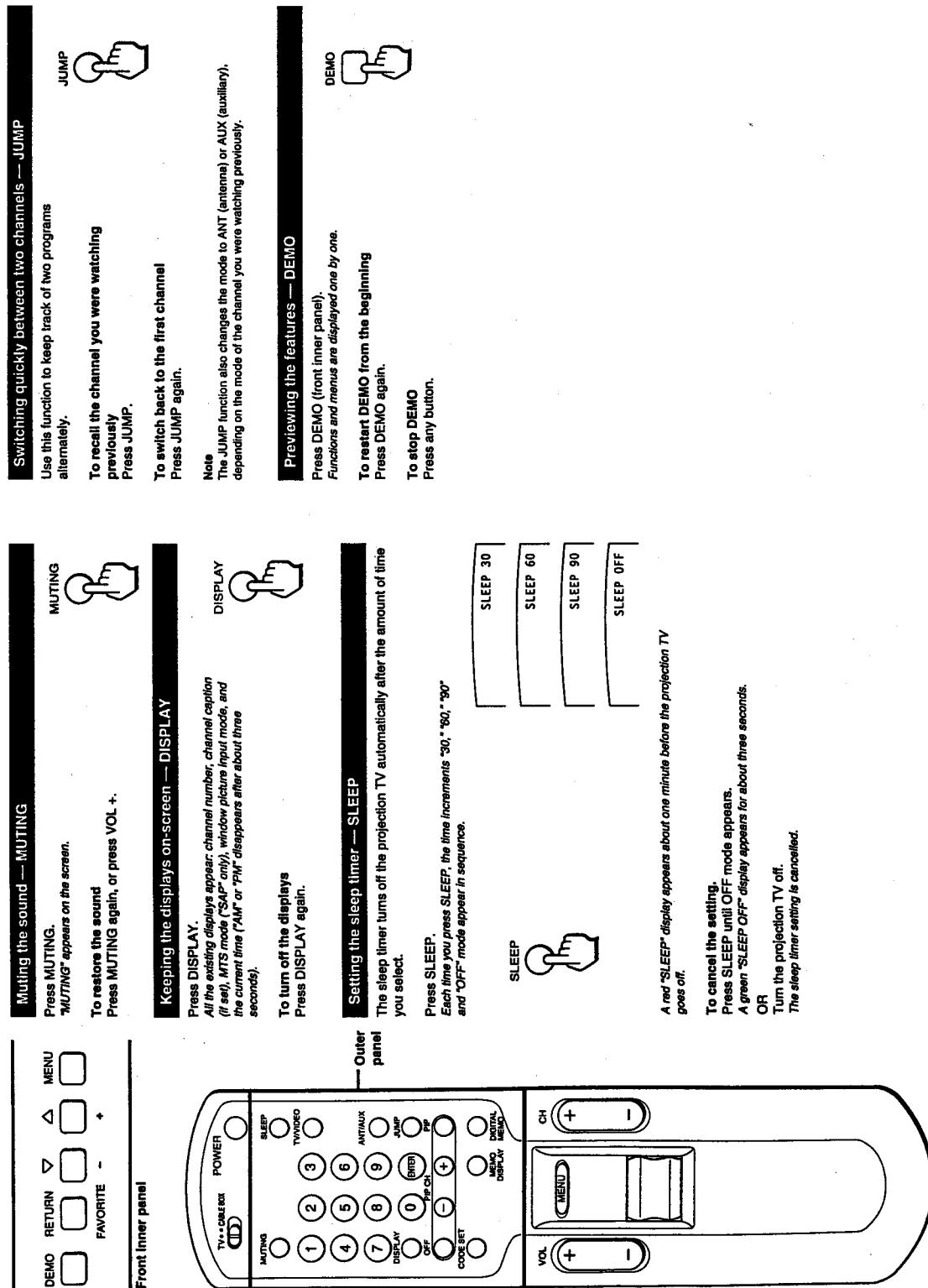


Select TEXT1 or TEXT2 to view Text.

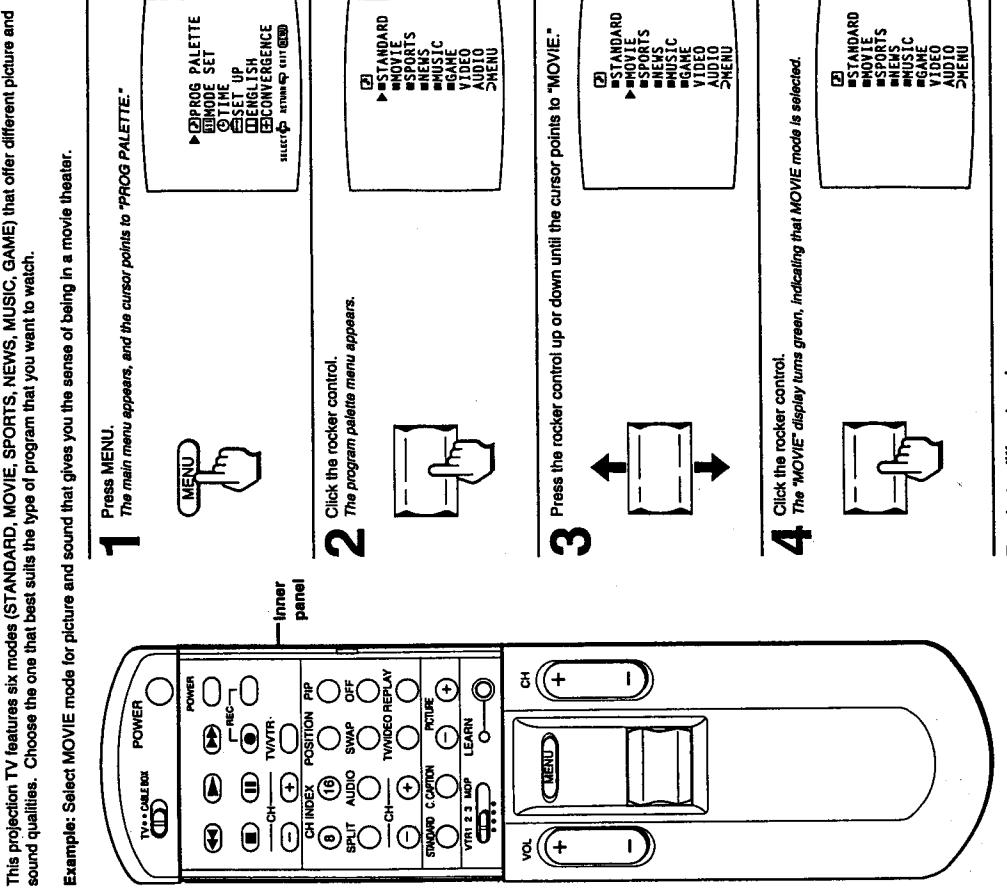
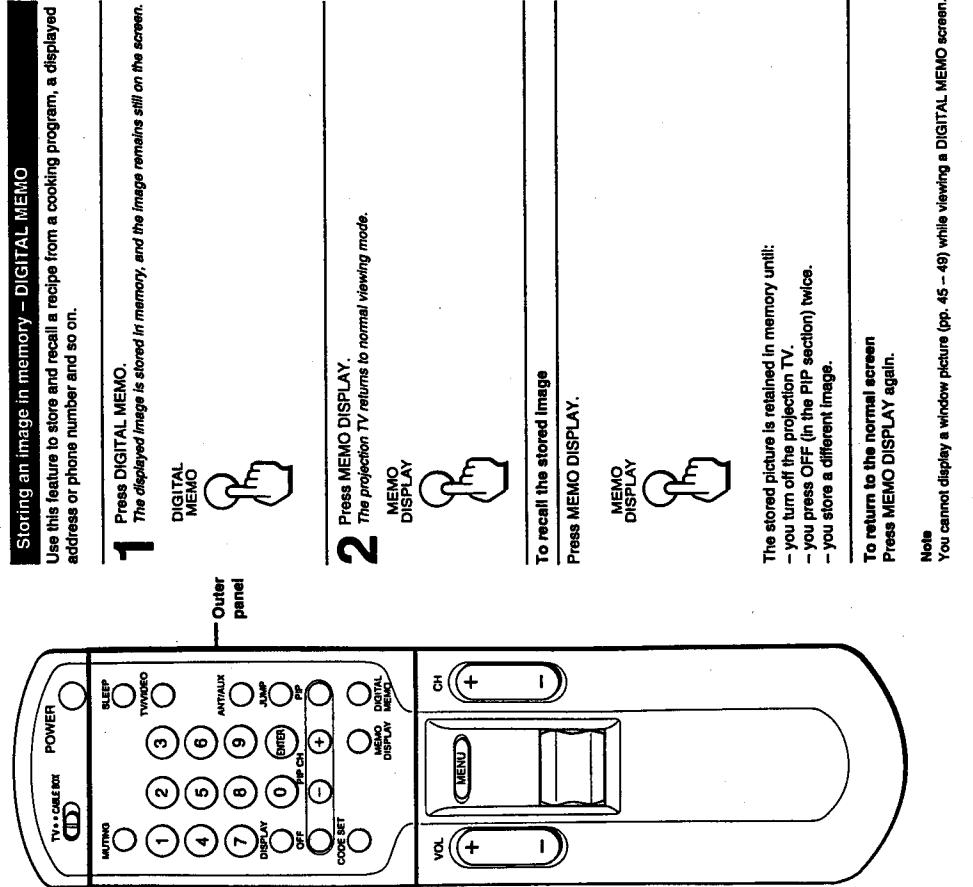
Text is information that is presented using the half to full television screen.
It is usually not related to the program.

Select CC OFF if you don't want to view Closed Caption nor Text.

1-9. USING CONVENIENT FEATURES



1-10. SELECTING A PICTURE AND SOUND MODE



1-11. WATCHING TWO OR MORE PICTURES AT ONCE (PIP)

Selecting standard mode (without using the menus)

Follow these instructions to select standard mode without using the on-screen menus.

Press STANDARD.



To return to the previous menu
Press the rocker control up or down until
the cursor points to "2 MENU".
Then click the rocker control.

To return to the main screen.
Repeat the above, until you reach the
main menu.
Press MENU on the Remote Commander.

You can watch both the main picture and one or more
window pictures simultaneously, using the Picture-in-Picture
(PIP) function.
To turn PIP mode on or off, or to change TV channels, you
can use the PIP buttons on the Remote Commander's outer
panel. For other PIP functions, use the inner panel controls,
which also include the PIP, OFF and CH +/- buttons.

To return to the normal screen.
Press MENU on the Remote Commander.

To return to the main screen.
Press STANDARD.

When you select STANDARD mode
You receive standard picture and sound quality. Any video or audio adjustments
you made ("Adjusting the Picture" pp. 50 - 54; "Adjusting the Sound" pp. 55 - 60)
are cancelled and the original factory settings are restored.

When you select MOVIE mode
You receive a finely detailed picture, and a theatrical audio effect.
To further adjust picture and sound qualities, follow the instructions on
pp. 50 - 54 and pp. 55 - 60, or select different sound modes from the DSP
(Digital Sound Processor) menu (pp. 55 - 56).

When you select SPORTS mode
You receive a vivid, bright picture, and sound with a sports stadium effect.
To further adjust picture and sound qualities, follow the instructions on
pp. 50 - 54 and pp. 55 - 60, or select different sound modes from the DSP
(Digital Sound Processor) menu (pp. 55 - 56).

When you select NEWS mode
Picture noise is reduced, and you receive clear voice reproduction.
To further adjust picture and sound qualities, follow the instructions on
pp. 50 - 54 and pp. 55 - 60, or select different sound modes from the DSP
(Digital Sound Processor) menu (pp. 55 - 56).

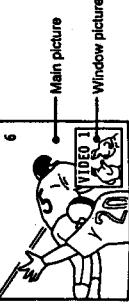
When you select MUSIC mode
You receive a warmer picture, and live concert effect sound.
To further adjust picture and sound qualities, follow the instructions on
pp. 50 - 54 and pp. 55 - 60, or select different sound modes from the DSP
(Digital Sound Processor) menu (pp. 55 - 56).

When you select GAME mode
The picture is easier on your eyes, and sound has a surround effect.
To further adjust picture and sound qualities, follow the instructions on
pp. 50 - 54 and pp. 55 - 60, or select different sound modes from the DSP
(Digital Sound Processor) menu (pp. 55 - 56).

Caution
Leaving a fixed pattern on the screen for long periods of time, when operating a
video game or personal computer, may damage the picture tube. To avoid this,
keep the picture contrast and the brightness levels low (PICTURE and BRIGHT
adjustment, pp. 50 - 51).

When watching the main picture and a window picture,
you can:

- Choose the sound from the main or window picture
(AUDIO).
- Change the position of the window picture (POSITION).
- Swap the main and window pictures (SWAP).
- Replay the main picture as a window picture (REPLAY).
- Split the screen, with the main picture on one side and the
window picture on the other side (SPLIT).
- Display 8 or 16 TV channels simultaneously
(CH INDEX 8/16).



Notes

You can also use the CH +/- buttons on the Remote
Commander's inner panel.

The video label and channel caption will not appear with the
window picture even if you have set them.

If you select a blocked channel in the window picture, the display
"BLOCKED" appears with the window picture. (See "Setting
CHANNEL BLOCK," pp. 70 - 71.)

If you display a DIGITAL MEMO screen (p. 42), the window
picture disappears.

A window picture appears in the last mode you watched.
Each time you press PIP, a 1/4 or 1/9 size window picture appears
alternately.

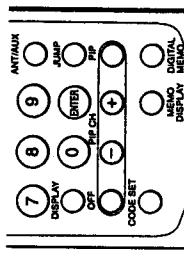
To turn PIP function off
Press OFF.
The window picture disappears.

To change TV channels in the window picture
Press TV/VIDEO to select TV mode; then
press CH +/- in the PIP control area.

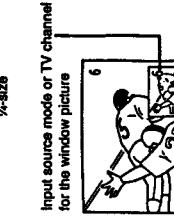
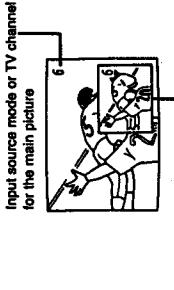
Displaying a window picture

To turn PIP mode on or off, or to change TV channels, you
can use the PIP buttons on the Remote Commander's outer
panel. For other PIP functions, use the inner panel controls,
which also include the PIP, OFF and CH +/- buttons.

Remote Commander (Outer panel)



Press PIP to display a window picture



A window picture appears in the last mode you watched.
Each time you press PIP, a 1/4 or 1/9 size window picture appears
alternately.

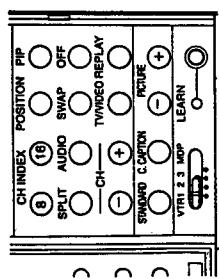
To turn PIP function off
Press OFF.
The window picture disappears.

To change TV channels in the window picture
Press TV/VIDEO to select TV mode; then
press CH +/- in the PIP control area.

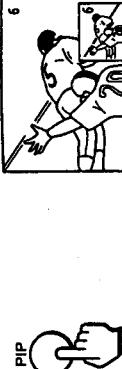
Changing the window picture input mode

Follow these instructions to select the Input mode (TV/VIDEO 1, VIDEO 2, VIDEO 3) for the window picture.

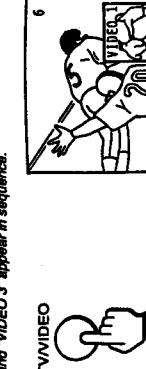
Remote Commander (inner panel)



1 Press PIP to select the input mode.



2 Press TV/VIDEO to select the input mode.



To receive the window picture sound

Press AUDIO.

The **1** display appears for a few seconds, indicating that the window picture sound is being received.

To restore the main picture sound
Press AUDIO again.

3

To receive the window picture sound

The **1** display appears for a few seconds, indicating that the window picture sound is also output from the AUDIO (VAR) OUT jacks. The AUDIO OUT and MONITOR OUT jacks output the main picture sound only.

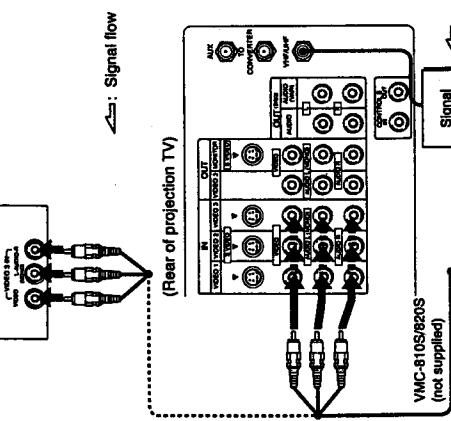
4

Change pay cable converter box with the supplied
Remote Commander
See p. 73.

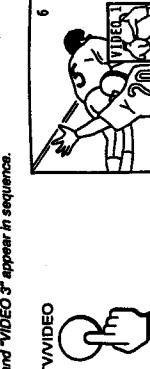
Displaying CATV input as a window picture

To use Picture-in-Picture with pay cable TV input, make the connections to your cable converter box as shown below.

(Front inner panel)



1 Press PIP to display a window picture.



2 Press POSITION.



1

Follow steps 1 - 2 in "Changing the window picture input mode" on this page to select the video input mode for your connected VCR.

2

After making the above connections, turn the table connection on by following the steps on p. 28 - 29; then continue with the steps below.

3

To receive the window picture sound

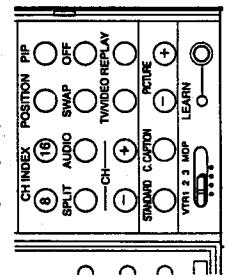
Note

The window picture sound is also output from the AUDIO (VAR) OUT jacks. The AUDIO OUT and MONITOR OUT jacks output the main picture sound only.

Changing the position of the window picture

Follow these instructions to change the position of the window picture on the screen.

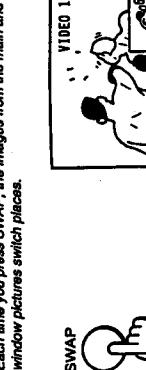
Remote Commander (inner panel)



1 Press PIP to display a window picture.



2 Press SWAP.



1

Follow these instructions to swap the input signals of the main and window pictures.

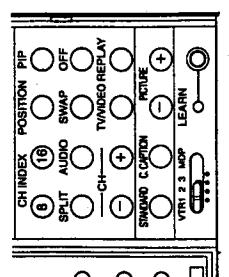
2

Follow these instructions to swap the input signals of the main and window pictures.

Swapping the main and window pictures

Follow these instructions to swap the input signals of the main and window pictures.

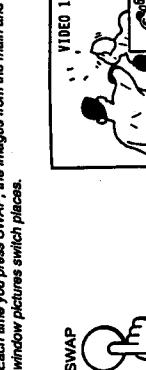
Remote Commander (inner panel)



1 Press PIP to display a window picture.



2 Press SWAP.



1

Follow these instructions to swap the input signals of the main and window pictures.

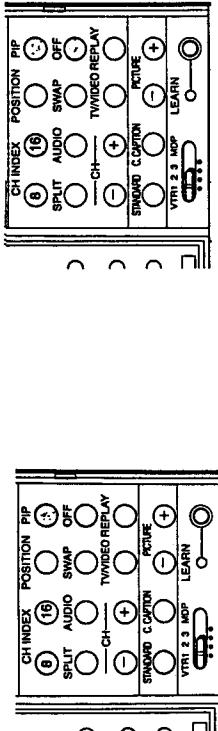
2

Follow these instructions to swap the input signals of the main and window pictures.

Displaying 8 TV channels at once – CH INDEX 8

Follow these instructions to display the main picture and 7 window pictures at once.

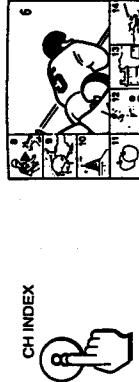
Remote Commander (inner panel)



1 Press PIP to display a window picture.



2 Press CH INDEX 8 to display seven window pictures. Seven TV channels appear in numerical sequence, as window pictures.



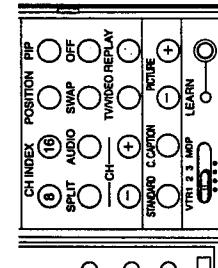
Each time you press CH INDEX 8, the next seven sequential channels appear (the main picture does not change).

To return to the normal screen
Press OFF.

Replaying the main picture as a window picture

Follow these instructions to replay the image that appeared in the main picture two seconds before, as a window picture.

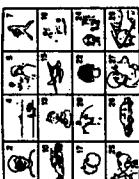
Remote Commander (inner panel)



1 Press PIP to display a window picture.



2 Press CH INDEX 16 to display 16 window pictures. 16 TV channels appear in numerical sequence, as window pictures.



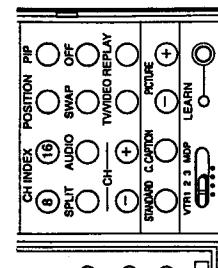
Each time you press CH INDEX 16, the next 16 sequential channels appear (the main picture does not change).

To return to the normal screen
Press OFF.

Splitting the screen

Follow these instructions to split the screen, with the window picture on the left, and the main picture on the right.

Remote Commander (inner panel)



Press SPLIT.



Window picture

Main picture

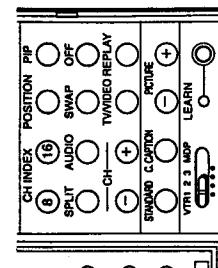
To return to the normal screen
Press OFF.

Note
When using SPLIT, vertical lines may appear elongated.

Displaying 16 TV channels at once – CH INDEX 16

Follow these instructions to display 16 window pictures at once.

Remote Commander (inner panel)



Press REPLAY.

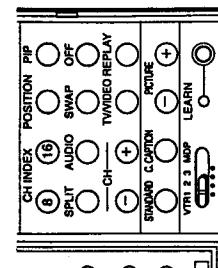


To return to the normal screen
Press OFF.

Replaying the image that appeared in the main picture two seconds before, as a window picture

Follow these instructions to replay the image that appeared in the main picture two seconds before, as a window picture.

Remote Commander (inner panel)



Press SPLIT.



Window picture

Main picture

To return to the normal screen
Press OFF.

Note
When using SPLIT, vertical lines may appear elongated.

Setting the TRINITONE mode

Color picture tubes are usually manufactured with a fixed color temperature (tint) that determines the "warmth" (red tint) or "coolness" (blue tint) of the picture. Use the Sony Trinitone feature to adjust the picture color to your preference.

Remote Commander

4 Click the rocker control.
The VIDEO screen appears.

5 Press the rocker control up or down until the cursor points to "TRINITONE".

6 Click the rocker control.
The mode display turns red.

7 Press the rocker control up or down to select "HIGH" or "LOW".

8 Click the rocker control.
The setting is complete.

1 Press MENU.
The main menu appears, and the cursor points to "PROG PALETTE".

2 Click the rocker control.
The program palette menu appears.

3 Press the rocker control up or down until the cursor points to "VIDEO".

4 Click the rocker control.
The VIDEO screen appears.

1 The main menu appears, and the cursor points to "PROG PALETTE".

2 Click the rocker control.
The program palette menu appears.

3 Press the rocker control up or down until the cursor points to "VIDEO".

4 Click the rocker control.
The VIDEO screen appears.

To return to the previous menu
Press the rocker control up or down until the cursor points to "▷ MENU".
Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.
Press MENU on the Remote Commander.

Setting NR (picture noise reduction) ON or OFF

Follow these instructions to reduce picture noise.

Remote Commander

1 Press MENU.
The main menu appears, and the cursor points to "PROG PALETTE".

2 Click the rocker control.
The program palette menu appears.

3 Press the rocker control up or down until the cursor points to "NR:OFF".

4 Click the rocker control.
The mode display turns red.

5 Press the rocker control up or down until the cursor points to "NR:ON".

6 Click the rocker control.
The mode display turns red.

7 Press the rocker control up or down to select "ON" or "OFF".

8 Click the rocker control.
The setting is complete.

1 Press the rocker control up or down to select "ON" or "OFF".

2 Select "ON" to reduce picture noise.
Select "OFF" to restore the normal picture.

3 Press the rocker control up or down to select "ON" or "OFF".

4 Click the rocker control.
The mode display turns red.

5 Press the rocker control up or down until the cursor points to "NR:ON".

6 Click the rocker control.
The mode display turns red.

7 Press the rocker control up or down to select "ON" or "OFF".

8 Click the rocker control.
The setting is complete.

1 Press the rocker control up or down to select "ON" or "OFF".

2 Select "ON" to reduce picture noise.
Select "OFF" to restore the normal picture.

3 Press the rocker control up or down to select "ON" or "OFF".

4 Click the rocker control.
The mode display turns red.

To return to the previous menu
Press the rocker control up or down until the cursor points to "▷ MENU".
Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.
Press MENU on the Remote Commander.

1-13. ADJUSTING THE SOUND

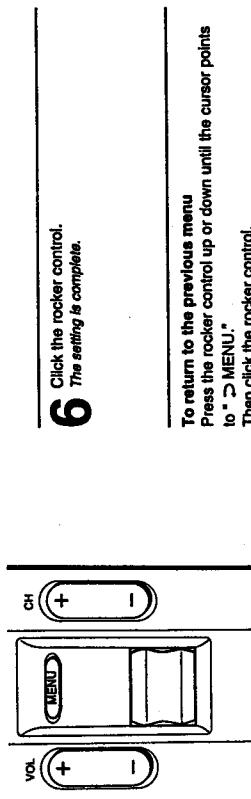
Setting S-VIDEO ON or OFF

Follow these instructions to set S-VIDEO on or off, depending on the kind of video equipment you have connected to the projection TV. For instructions on connecting video equipment, see pp. 15 - 18.

Remote Commander (Outer panel)

4 Click the rocker control.
The mode display turns red.

5 Press the rocker control up or down to select "ON" or "OFF".



To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU."
Then click the rocker control.

1 Press MENU.
The main menu appears.



2 Press the rocker control up or down until the cursor points to "MODE SET."

3 Click the rocker control.
The mode set menu appears, with the cursor pointing to "S-VIDEO."



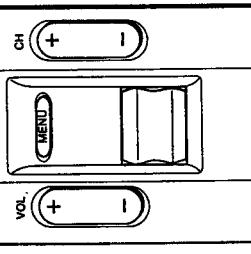
4 Press the rocker control up or down until the cursor points to "S-VIDEO."

Selecting a sound mode

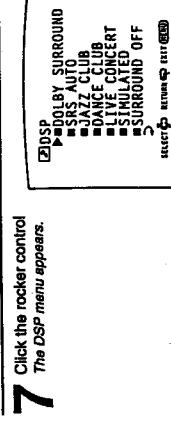
Use the DSP (Digital Sound Processor) menu to select the sound mode that best suits the type of sound you are listening to.

Example: Select "JAZZ CLUB" mode to enhance the effect when viewing a musical performance.

Remote Commander



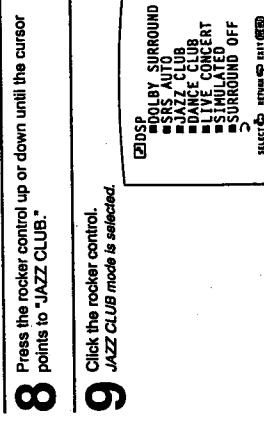
5 Click the rocker control.
The AUDIO screen appears.



6 Press the rocker control up or down until the cursor points to "DSP".



7 Click the rocker control up or down until the cursor points to "DSP".



8 Press the rocker control up or down until the cursor points to "JAZZ CLUB".

9 Click the rocker control.

JAZZ CLUB mode is selected.

To select a different mode
Repeat steps 8 - 9. (See the next page for the different modes you can choose.)

To further adjust the sound
Follow the instructions on pp. 57 - 58.

To return to the previous menu
Press A/V WINDOW +/- until the cursor points to "► MENU."
Then press RETURN.

To return to the main menu
Repeat the above, until you reach the main menu.

To return to the normal screen
Press MENU on the Remote Commander.

When you select DOLBY SURROUND™ mode
You receive wraparound sound with three-dimensional audio depth and presence when you connect main speakers and optional rear speakers.

Note

You must set REAR SPEAKER to "YES" (p. 60), or the display is...

blacked out and cannot be selected.

When using rear speakers, control the volume with the REAR VOLUME adjustment screen.

When you select SRS AUTO mode

You receive powerfully realistic sound that recaptures audio "clues" originally present but masked in the recording process, so that the action seems to happen all around you.

When you select JAZZ CLUB mode
You receive sound that gives a sense of space, with a touch of echo added.

When you select DANCE CLUB mode
You receive the sound effect of the hard floor and wall environment of a dance club.

When you select LIVE CONCERT mode

You receive sound that simulates the effect of being present at a live concert.

When you select SIMULATED mode
You receive monaural sound with a surround-like effect.

When you select SURROUND OFF mode

You receive sound without a surround effect.

To further adjust sound qualities
Follow the instructions on pp. 57 - 58.

- Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792 and 3,959,590. "Dolby" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Adjusting sound quality

Follow these instructions to adjust the TREBLE, BASS and BALANCE.

- 5 Press the rocker control up or down until the cursor points to the item you want to adjust.

6 Click the rocker control.

The adjustment screen appears.

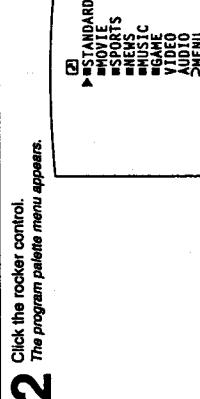


- 7 Press the rocker control up or down to make the adjustment.

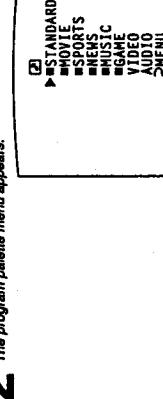
Sound quality	Press the rocker control up	Press the rocker control down
TREBLE	To decrease the treble response	To increase the treble response
BASS	To decrease the bass response	To increase the bass response
BALANCE	To emphasize the left speaker's volume	To emphasize the right speaker's volume

- 8 Click the rocker control.

The adjustment is complete, and the AUDIO screen automatically reappears.



- 1 Press MENU.
The main menu appears, and the cursor points to "PROG PALETTE."



- 2 Click the rocker control.
The program palette menu appears.

- To restore the factory settings for all the items Select "STANDARD" on the program palette menu, and click the rocker control; or, press STANDARD on the Remote Commander.
- All the items return to their original factory settings.

- 3 Press the rocker control up or down until the cursor points to "AUDIO."

- 4 Click the rocker control.
The AUDIO screen appears.

- To return to the previous menu Press the rocker control up or down until the cursor points to "→ MENU." Then click the rocker control.
- To return to the main menu Repeat the above, until you reach the main menu.
- To return to the normal screen Press MENU on the Remote Commander.

Selecting an MTS (Multichannel TV Sound) mode

Follow these instructions to select an MTS mode.

Select MAIN mode to listen to stereo sound.

The STEREO lamp on the projection TV lights up whenever a stereo broadcast is received.

Select SAP mode to listen to Second Audio Programs.

Select MONO mode to eliminate excessive noise during stereo broadcasts, caused by a weak incoming signal.

Note

If the projection TV is in video mode, the "MTS" display is shaded and cannot be selected.

Press VIDEO on the projection TV or on the Remote Commander to change to TV mode.

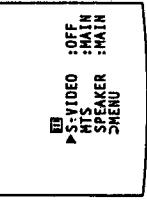
Note

If the projection TV is in video mode, the "MTS" display is shaded and cannot be selected.

Press MENU on the Remote Commander to change to TV mode.

3 Click the rocker control.

The mode set menu appears.



4 Press the rocker control up or down until the cursor points to "MTS."

The mode display turns red.

5 Click the rocker control.

The mode display turns red.

6 Press the rocker control up or down to select the mode you want.

Each time you press the rocker control up or down, "MAIN," "SAP," and "MONO" appear in sequence.

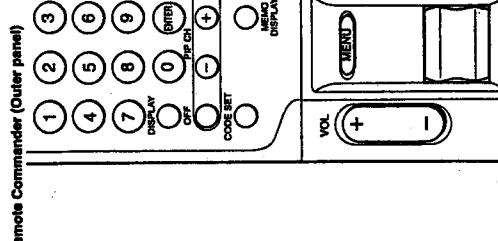
7 Click the rocker control.

The mode is selected.

To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU." Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.

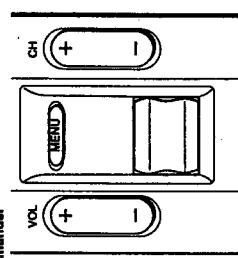
To return to the normal screen
Press MENU on the Remote Commander.



Setting SPEAKER — MAIN or CENTER

Follow these instructions to set SPEAKER to "CENTER" when you connect an audio system (p.19), and to "MAIN" when you want to listen to the sound from the projection TV speakers.

Remote Commander



1 Press MENU.

The main menu appears.



To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU." Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.

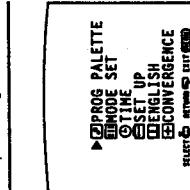
2 Press the rocker control up or down until the cursor points to "MODE SET."

The mode set menu appears.



3 Press the rocker control up or down until the cursor points to "MAIN SPEAKER."

The mode is selected.



1 Press MENU.

The main menu appears.

2 Press the rocker control up or down until the cursor points to "MODE SET."

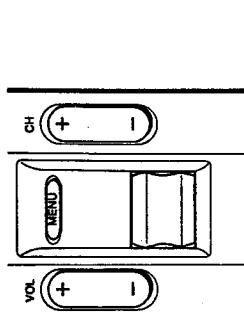
The mode is selected.

1-14. CUSTOMIZING THE SCREEN DISPLAY

Setting REAR SPEAKER

Set REAR SPEAKER to "YES" to use optional speakers as rear speakers (p. 21).

Remote Commander



1 Press MENU.
The main menu appears.



2 Press the rocker control up or down until the cursor points to "SET UP".

3 Click the rocker control.
The set up menu appears.



4 Press the rocker control up or down until the cursor points to "REAR SPEAKER".

5 Click the rocker control.
The mode display turns red.

6 Press the rocker control up or down to select "YES".

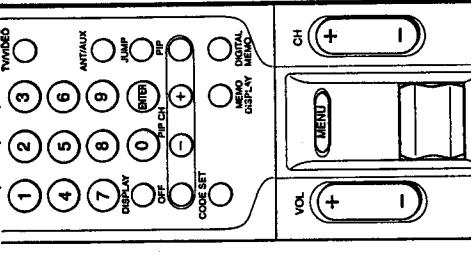
- To set REAR SPEAKER to "NO"
 - Repeat steps 1 – 11, and select "NO" in step 6.
 - To return to the previous menu
Press the rocker control up or down until the cursor points to "▷ MENU". Then click the rocker control.
 - To return to the main menu
Repeat the above, until you reach the main menu.
 - To return to the normal screen
Press MENU on the Remote Commander.

Setting channel captions — CH CAPTION

Follow these instructions to caption each channel number display with a name for instance, the television station call letters. (You can set up to four letters or numbers).

Example: Caption channel 15 as "NBC".

Remote Commander (Outer panel)



- 7** Click the rocker control.
The setting is complete.
- 8** Set REAR SPEAKER to "NO" in step 6.
- 9** Click the rocker control.
The second caption space turns red.

Setting channel captions — CH CAPTION

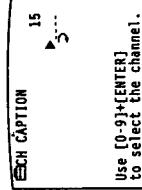
Follow these instructions to caption each channel number display with a name for instance, the television station call letters. (You can set up to four letters or numbers).

Example: Caption channel 15 as "NBC".

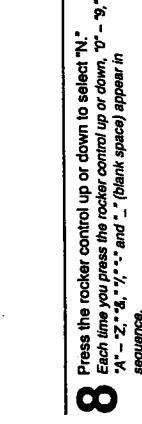
5 Click the rocker control.
The CH CAPTION screen appears.



6 Press CH +/-, or press 1, 5, and ENTER to set channel "15".



7 Click the rocker control.
The first caption space turns red.



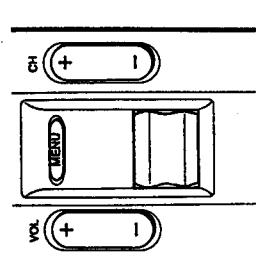
Select the 1st letter.

8 Click the rocker control.
The second caption space turns red.



Setting channel captions - CH CAPTION
(Continued from previous page)

Remote Commander



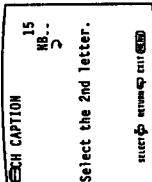
14 Press the rocker control up or down to select a blank space.



Select the 4th letter

15 Click the rocker control.
The setting is complete.
When you select or display the channel number, the channel caption also appears.

10 Press the rocker control up or down to select "B."



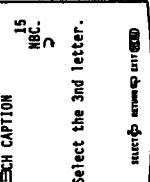
Select the 2nd letter

11 Click the rocker control.
The third caption space turns red.

To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU." Then click the rocker control.

To return to the main menu
Press the rocker control up or down until the cursor points to "► MENU." Then click the rocker control.

12 Press the rocker control up or down to select "C."



Select the 3rd letter

13 Click the rocker control.
The fourth caption space turns red.

Setting VIDEO LABEL

Follow these instructions to label each input mode, in order to identify the equipment connected to each input terminal.

Example: Label VIDEO 1 IN as "VHS."

1 Press MENU.
The main menu appears.



2 Press the rocker control up or down until the cursor points to "SET UP."

Press the rocker control up or down to select "VHS."
The label display turns red.

8 Click the rocker control.
The label display turns red.

9 Press the rocker control up or down to select "VIDEO 1 → BETA → 8mm → VHS → LD → S-VIDEO."

Each time you press the rocker control up or down, the label changes:
VIDEO 1 → BETA → 8mm → VHS → LD → S-VIDEO

10 Click the rocker control.
The setting is complete.
When you select or display the video mode, the video label appears.

11 To label other input modes
Repeat steps 6 – 9.

12 To change a label
Same as above.

13 To return to the previous menu
Press the rocker control up or down until the cursor points to "► MENU." Then click the rocker control.

14 To return to the main menu
Repeat the above, until you reach the main menu.

15 To return to the normal screen
Press MENU on the Remote Commander.

16 Note
You can set up to 32 channel captions. If the memory is full, "Memory is full, sorry" appears on the screen. Erase any unnecessary captions, and begin again.

5 Click the rocker control.
The VIDEO LABEL screen appears.



17 Click the rocker control.

The VIDEO LABEL screen appears.

1-15. USING TIMER-ACTIVATED FUNCTIONS

Setting DAYLIGHT SAVING

If you live in an area that uses daylight savings time, set DAYLIGHT SAVING to "YES" or "NO" depending on the season, before setting the current time. At the next daylight savings date, you will be able to automatically adjust all the time-related settings (CURRENT TIME, ON/OFF TIMER and CHANNEL BLOCK) simply by changing the DAYLIGHT SAVING setting.

When setting DAYLIGHT SAVING:

- After the first Sunday in April (spring daylight savings) Set to "YES" before setting the current time.
- Then, on the last Sunday in October (fall daylight savings), set to "NO".
- All the time-related settings automatically move one hour back.
- After the last Sunday in October (fall daylight savings) Set to "NO" before setting the current time.
- Then, on the first Sunday in April (spring daylight savings), set to "YES".
- All the time-related settings automatically move one hour ahead.

When setting DAYLIGHT SAVING:

- Press the rocker control up or down until the cursor is positioned over "DAYLIGHT SAVING".
- Press the rocker control up or down until the cursor is positioned over "YES" or "NO".

3 Click the rocker control.
The time menu appears.



4 Press the rocker control up or down until the cursor points to "DAYLIGHT SAVING".

5 Click the rocker control.
The mode display turns red.

6 Press the rocker control up or down to select "YES" or "NO".
The setting is complete.

7 Click the rocker control.
To return to the previous menu
Press the rocker control up or down until the cursor points to "MENU". Then click the rocker control.



2 Press the rocker control up or down until the cursor points to "TIME".

Setting the clock — CURRENT TIME SET

Follow these instructions to set the current time. The correct current time must be set in order to use the other time-related functions (DAYLIGHT SAVING, ON/OFF TIMER, CHANNEL BLOCK).

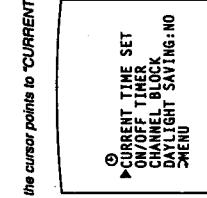
Example: Set the time to 3:15 PM, Monday.

1 Press MENU.
The main menu appears.



2 Press the rocker control up or down until the cursor points to "TIME".

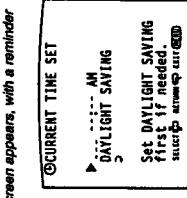
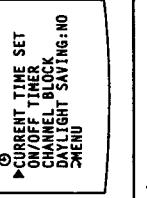
5 Click the rocker control.
The "CURRENT TIME SET" screen appears, and the "SUN" display appears (red).



3 Click the rocker control.
The time menu appears, and the cursor points to "CURRENT TIME SET".



4 Click the rocker control again.
The "CURRENT TIME SET" screen appears, with a reminder to set DAYLIGHT SAVING.



(Continued)

If you do not need to set DAYLIGHT SAVING, click the rocker control and continue from step 5.

a Press the rocker control up or down until the cursor points to "DAYLIGHT SAVING".

b Click the rocker control.
The time menu appears, and the cursor points to "DAYLIGHT SAVING".

c Click the rocker control.

d Press the rocker control up or down to select "YES" or "NO".

e Click the rocker control.
The setting is complete.

f To set the time
Press the rocker control up or down until the cursor points to "CURRENT TIME SET"; click the rocker control, then continue from step 5.

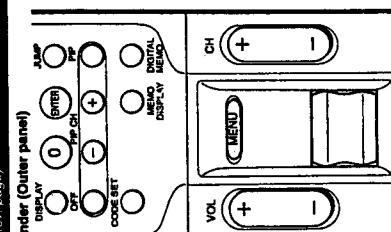
6 Click the rocker control.
The "CURRENT TIME SET" screen appears, and the "SUN" display appears (red).

7 Select today's day.
Press the rocker control up or down to select "MON". Each time you press the rocker control up or down, the day changes consecutively.

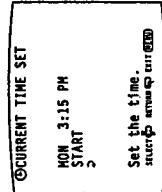
(Continued)

Setting the clock — CURRENT TIME SET

(Cont'd from prev. page)



10 Press the rocker control up or down to select "15" (minutes).
Each time you press the rocker control up or down, the minutes change in sequence.

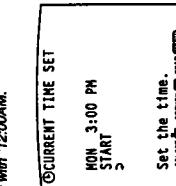


11 Click the rocker control.
The cursor points to "START".

12 Check the actual time, and click the rocker control to start the clock.
The setting is complete.

7 Click the rocker control.
The hour and am/pm displays turn red.

8 Press the rocker control up or down to set "3:00PM".
Each time you press the rocker control up or down, the hour changes in sequence beginning with "12:00AM".

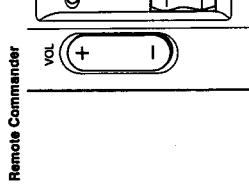


9 Click the rocker control.
The minute display turns red.

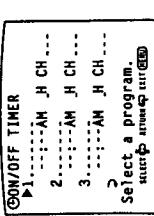
Setting the ON/OFF TIMER

Follow these instructions to make the program of your choice appear on the screen at a specified time.

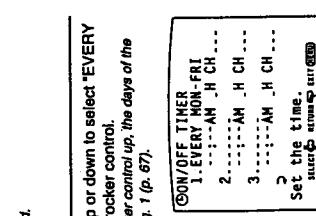
Example: Set the timer to turn on the projection TV every Monday through Friday at 1:30 AM for 3 hours, on channel 8, as PROGRAM 1. (You can set up to three programs.)



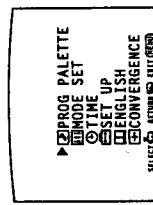
5 Click the rocker control.
The ON/OFF-TIMER screen appears, and the cursor points to "1".



6 To set program 1, click the rocker control.
(To set program 2 or 3, press the rocker control up or down until the cursor points to that program; then click the rocker control.)
The day input space turns red.

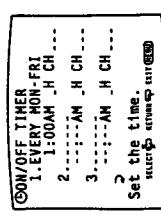


7 Press the rocker control up or down to select "EVERY MON-FRI"; then click the rocker control.
Each time you press the rocker control up, the days of the week change as shown in Fig. 1 (p. 67).



1 Press MENU.
The main menu appears.

8 Press the rocker control up or down to select "1:00AM"; then click the rocker control.
Each time you press the rocker control up or down, the hour changes in sequence.

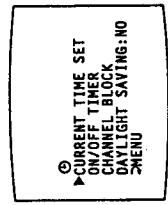


(Continued)

2 Press the rocker control up or down until the cursor points to "TIME".



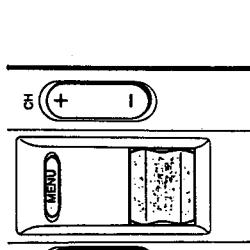
3 Click the rocker control.
The time menu appears.



4 Press the rocker control up or down until the cursor points to "ON/OFF TIMER".

Setting the ON-OFF TIMER (Cont'd from prev. page)

Remote Commander



11 Press the rocker control up or down to select "8" (channel); then click the rocker control. The TIMER/STAND BY indicator lights, indicating that the setting is complete.

Each time you press the rocker control up or down, the channel number changes from 1 - 125 in sequence.

ON/OFF TIMER
1. EVERY MON-FRI
2. 1:30AM 3H CH 8
3. ---:AM H CH ---
---:AM H CH ---
2 Select a program.
menu

The display "TV WILL TURN OFF" appears on the screen one minute before the timer duration ends.

To set program 2 or 3.
Click the rocker control and repeat steps 8 - 11.

To erase an ON/OFF TIMER setting
Display the ON/OFF TIMER screen, select the setting you want to erase, and select the underlined spaces for the day setting.
The ON/OFF TIMER setting is erased.

To enter a new ON/OFF TIMER setting
Display the ON/OFF TIMER screen and repeat steps 6 - 11.

To return to the previous menu
Press the rocker control up or down until the cursor points to "2 MENU".
Then click the rocker control.

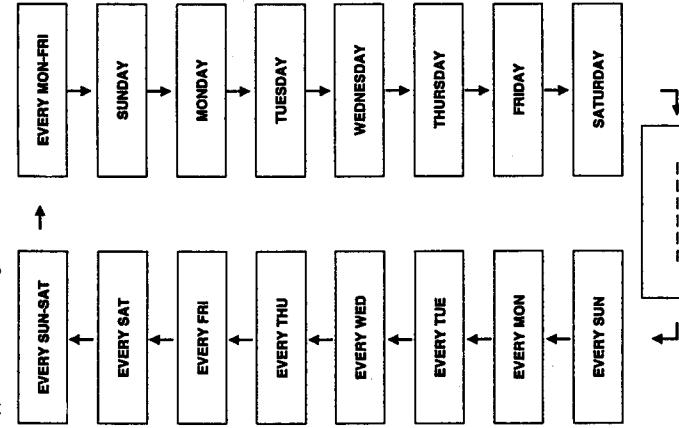
To return to the main menu
Repeat the above, until you reach the main menu.

To return to the normal screen.
Press MENU on the Remote Commander.

Note
If you unplug the projection TV or a power failure occurs, both the clock and timer settings will be erased. Reset the current time, then set the timer.

Fig. 1
Selecting the day(s) of the week

When you press the rocker control up, the days of the week appear in the following order:



9 Press the rocker control up or down to select "30" (minutes); then click the rocker control.

Each time you press the rocker control up or down, the minutes change in sequence.

ON/OFF TIMER
1. EVERY MON-FRI
2. 1:30AM 3H CH ---
3. ---:AM H CH ---
---:AM H CH ---
2 Set the duration.
menu

10 Press the rocker control up or down to select "3" (hour duration); then click the rocker control. Each time you press the rocker control up or down, the duration changes from "1" - "6" in sequence.

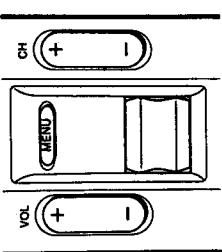
ON/OFF TIMER
1. EVERY MON-FRI
2. 1:30AM 3H CH ---
3. ---:AM H CH ---
---:AM H CH ---
2 Set the channel.
menu

Setting CHANNEL BLOCK

Follow these instructions to prevent a channel from appearing on the screen during the time that you specify. You can use this function to prevent children from watching unsuitable programs.

Example: Set CHANNEL BLOCK every Saturday at 4:30 PM for 1 hour, on Channel 12.

Remote Commander



Note
If you have not set the current time, the "CHANNEL BLOCK" display is shaded and cannot be selected.

Press MENU.

The main menu appears.



2 Press the rocker control up or down until the cursor points to "TIME".

3 Click the rocker control. The time menu appears.



4 Press the rocker control up or down until the cursor points to "CHANNEL BLOCK".

5 Click the rocker control. The CHANNEL BLOCK screen appears, and the cursor points to the day input space.

6 Click the rocker control. The day input space turns red.



Note
If you have not set the current time, the "CHANNEL BLOCK" display is shaded and cannot be selected.

Press MENU.

The main menu appears.



2 Press the rocker control up or down until the cursor points to "TIME".

3 Click the rocker control. The time menu appears.



9 Press the rocker control up or down to select "3:0" (minutes); then click the rocker control. Each time you press the rocker control up or down, the minutes change in sequence.

10 Press the rocker control up or down to select "1" (hour duration); then click the rocker control. Each time you press the rocker control up or down, the duration changes from "1" - "16" in sequence.

11 Press the rocker control up or down to select "12" (channel); then click the rocker control. The setting is complete.

Each time you press the rocker control up or down, the channel number changes from "1" - "125" in sequence.

12 Press the rocker control up or down to select "EVERY SAT", then click the rocker control. Each time you press the rocker control up or down, the days of the week change as shown in Fig. 1 (p. 67).

13 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

14 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

15 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

16 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

17 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

18 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

19 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

20 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

21 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

22 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

23 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

24 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

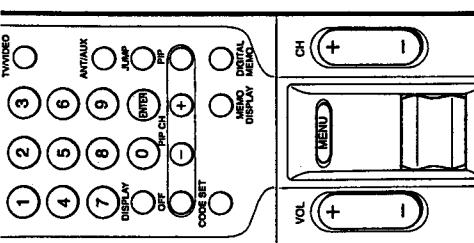
25 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

26 Press the rocker control up or down to select "4:30PM", then click the rocker control. Each time you press the rocker control up or down, the hour changes in sequence.

1-16. SETTING FAVORITE CHANNEL

By setting FAVORITE CHANNEL, you can select the channels you use most frequently (up to seven channels) simply by clicking the rocker control on the Remote Commander.

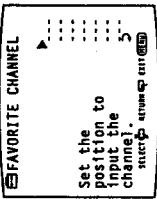
Remote Commander (Outer panel)



Follow these instructions to set the channels.

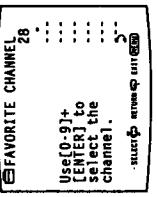
4 Press the rocker control up or down until the cursor points to "FAVORITE CHANNEL".

5 Click the rocker control. The FAVORITE CHANNEL screen appears, and the cursor points to the first channel position.



6 Press the rocker control up or down to select the channel position; then click the rocker control.

7 Press 0 – 9 and ENTER to set the channel number.

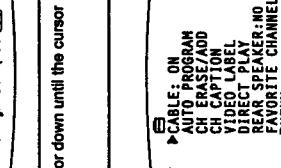


1 Press MENU. The main menu appears.



2 Press the rocker control up or down until the cursor points to "SET UP".

3 Click the rocker control. The set up menu appears.



1 Press the rocker control up or down until the cursor points to "SET UP".

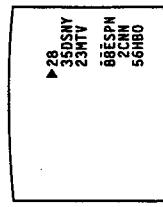
2 Click the rocker control. The set up menu appears.



Selecting a favorite channel

After setting the channels, follow these instructions to select the channel you want to watch.

1 Click the rocker control. The FAVORITE CHANNEL display appears.



Note
If you have set channel captions (pp. 61 – 62), the captions appear with the channel numbers.

2 Press the rocker control up or down to select the channel you want to watch; then click the rocker control. The channel is selected.

If you click the rocker control on the Remote Commander before setting FAVORITE CHANNEL, this screen appears.

Set your favorite channel's first.
Please go to SET UP in the menu.

Follow steps 1 – 8 to set your favorite channels, and then make the selection.

8 Click the rocker control. The setting is complete.
Repeat steps 6 – 8.

To set other channels
Repeat steps 6 – 8.
To erase a favorite channel setting
Press the rocker control up or down until the cursor points to the channel number you want to erase; click the rocker control, then press 0 and ENTER.

To reset a favorite channel setting
Display the FAVORITE CHANNEL screen and repeat steps 6 – 8.

To return to the previous menu
Press the rocker control up or down until the cursor points to "MENU." Then click the rocker control.

To return to the main menu
Repeat the above, until you reach the main menu.

To return to the normal screen.
Press MENU on the Remote Commander.

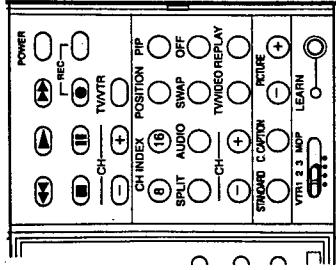
1-17. USING THE PROGRAMMABLE REMOTE COMMANDER

You can operate other video equipment (such as VCRs, video disc players and cable boxes) that have an infrared remote detector with this supplied Remote Commander.

Operating Sony video equipment

Follow these instructions to operate Sony video cassette recorders (Beta, 8 mm and VHS) and video disc players (including multi-disc players).

Remote Commander (inner panel)



1 Set the VTR1-2-3 MDP selector according to the video equipment you want to operate.



Fig. 2: Video equipment settings

If you want to operate a:	set to:
Beta, ED Beta VCR	VTR 1
8 mm VCR	VTR 2
VHS VCR	VTR 3
Video disc player	MDP

Fig. 4: Operating a Video Disc Player (MDP)	
To turn on or off	Press POWER.
To play	Press ▶.
To stop	Press ■.
To pause	Press II.
	To resume normal playback, press again.
	Note This function is effective only for CAV (standard-play disc). With CLV (extended-play disc), the projection TV goes off (standby mode) if you press II.
To search the picture forward and backward	Keep pressing ▶ or ▶ during playback. To resume normal playback, release the button.

Notes

- If the video equipment does not have a certain function, the corresponding button on this Remote Commander will not operate.
- If you set another manufacturer's code to a VTR1-2-3 MDP selector position (pp. 76 - 77), you must also set the Sony code to operate Sony equipment.

Caution

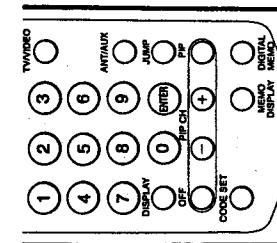
When you replace the batteries, do it within approximately 30 minutes. Otherwise the settings you made under the Pre-Programmed function (pp. 76 - 78) and Learning function (p. 79) may be erased.

Operating non-Sony or Sony video equipment

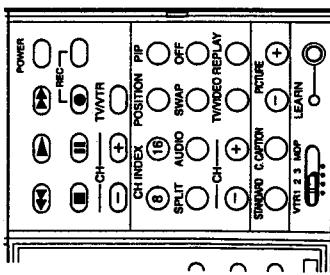
Follow these instructions to set the manufacturer's code, which will enable you to operate non-Sony and Sony video equipment with the pre-programmed Remote Commander.

Example: Operate an RCA video cassette recorder connected to the VIDEO 2 IN jacks.

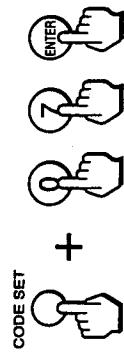
Remote Commander (Outer panel)



(Inner panel)



2 While pressing CODE SET, press 0, 7 and ENTER to set RCA's code number. (For manufacturer code numbers, see Figs. 5, 6 and 7 on p. 77.)



A long beep sounds, indicating that the code has been set.

Note
If you press a wrong code, or if the code has not been set, four short beeps sound. Repeat step 3 to set the code.

3 Use the video operating buttons to operate the connected equipment. (see Fig. 3 on p. 74 and Fig. 4 on p. 75.)

Fig. 5: VCR manufacturer code numbers

MANUFACTURER	CODE
SONY	01, 02, 03
CANON	05
EMERSON	22, 30, 33
FISHER	10, 11, 12, 15
FUNAI	29
GENERAL ELECTRIC	05, 08
GOLDSTAR	25
HITACHI	07, 08, 36
JVC	16, 35
MAGNAVOX	05, 06, 09
MITSUBISHI	18, 19, 26, 27
MULTITECH	29
NEC	16, 23, 31
PANASONIC	05, 06
PHILCO	05, 06
PHILIPS	05, 06, 09
QUASAR	05, 06
RCA	07, 08
SAMSUNG	24, 32
SANYO	11, 15
SCOTT	21
SHARP	13, 14
SHINTOM	34
SYLVANIA	05, 06, 09
SYMPHONIC	29
TEKNIKA	28, 29
TOSHIBA	20, 21
TOTE VISION	25
ZENITH	17

Fig. 6: MDP manufacturer code numbers

MANUFACTURER	CODE
SONY	04
KEENWOOD	58
MAGNAVOX	52
MARANTZ	54
MITSUBISHI	51
PANASONIC	55
PHILIPS	52
PIONEER	51
RCA	51
SANYO	57
SHARP	56
YAMAHA	53

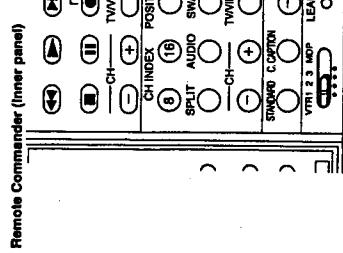
1 Set the VTR1-2-3 MDP selector to VTR2.



Note
To use another manufacturer's equipment besides a Sony VCR, set the selector to a position not being used for your Sony video equipment.

Selecting a VCR mode directly — DIRECT PLAY
 Follow these instructions to switch from TV to VCR mode by simply pressing the ▶ (playback) button on the supplied Remote Commander.

Example: Connect your VCR to the VIDEO 1 IN jacks, and set the VTR1-2-3 MDP selector to VTR2. When you press ▶, the input mode changes to the VCR connected to the VIDEO 1 IN jacks.
After completing the steps below, the VTR selector position is retained in the projection TV's memory.



3 Click the rocker control.
The set up menu appears.



4 Press the rocker control up or down until the cursor points to "DIRECT PLAY".

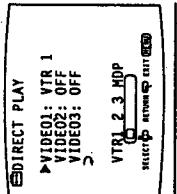


5 Click the rocker control.
A message screen appears.



Note
 This screen reminds you to set the manufacturer's code. If you have not already done so (pp. 76 - 78).

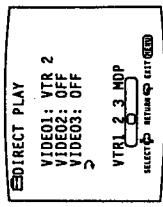
6 Click the rocker control again.
The DIRECT PLAY screen appears.



1 Press MENU.
The main menu appears.

8 Click the rocker control.
The mode display turns red.

9 Press the rocker control up or down to select the VTR selector mode you have set on the Remote Commander. (When the VTR1-2-3 MDP selector is set to VTR2, select "VTR 2.")
Each time you press the rocker control up or down, "VTR 1," "VTR 2," "VTR 3," "MDP" and "OFF" appear in sequence.



10 Click the rocker control.
The direct play setting is complete.

To set direct play for other connected video equipment
 Repeat steps 7 - 10.

To return to the previous menu
 Press the rocker control up or down until the cursor points to "► MENU."
 Then click the rocker control.

To return to the main menu
 Repeat the above, until you reach the main menu.
To return to the normal screen.
 Press MENU on the Remote Commander.

2 Press the rocker control up or down until the cursor points to "SET UP."

1-18. TROUBLESHOOTING

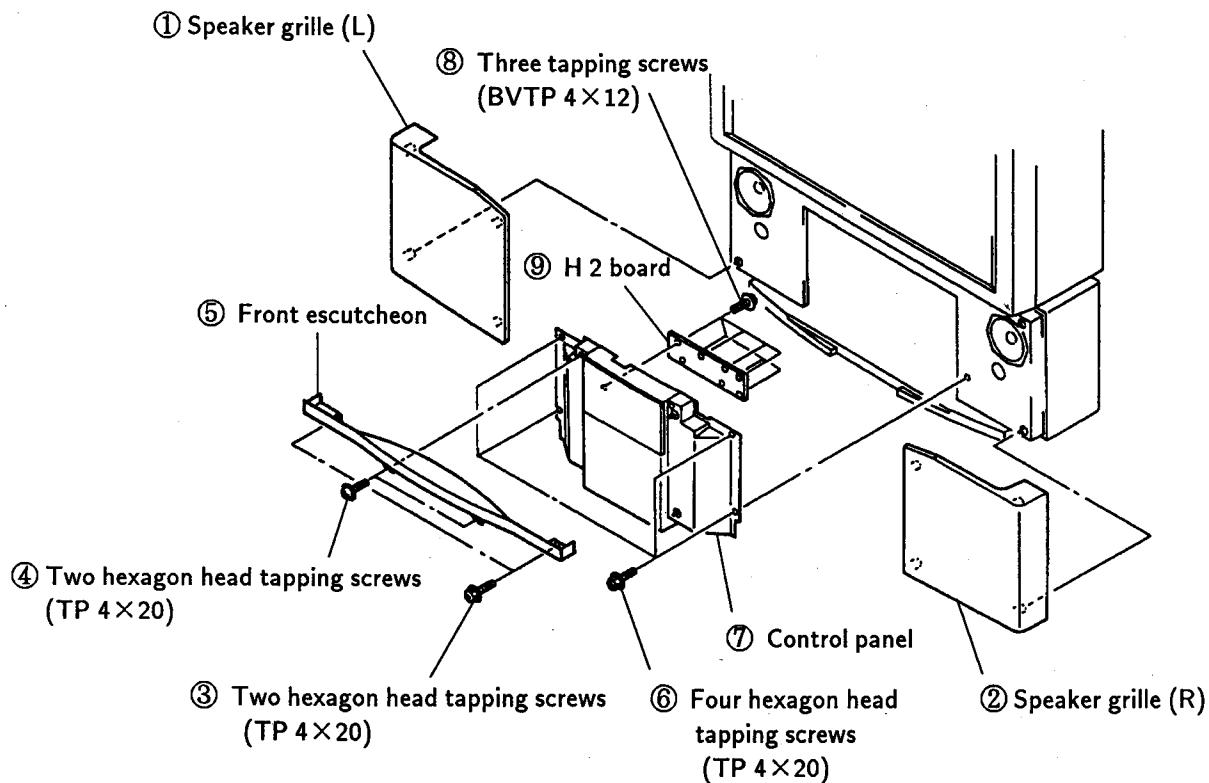
Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed here.
If the problem still cannot be solved, contact your nearest service facility.

Symptom	Possible causes and remedies
No picture (screen not lit), no sound	<ul style="list-style-type: none"> • Make sure POWER is switched on. • Check the power cord connection. • Check that the TV/VIDEO and VTR1-2-3 MDP controls are set correctly. • Make sure that the TV/CABLE BOX selector is set to TV.
Poor or no picture (screen not lit), good sound	<ul style="list-style-type: none"> • Adjust the picture using the VIDEO screen (pp. 50 - 53). • Check the antennacable connections. • Adjust the color registration (pp. 26 - 27).
Good picture, no sound	<ul style="list-style-type: none"> • Press VOLUME + on the projection TV or VOL + on the Remote Commander. • Press MUTING on the Remote Commander. • Check the MTS setting (p. 58). • Check that the TV/VIDEO and VTR1-2-3 MDP controls are set correctly. • Make sure SPEAKER is set correctly (p. 59).
No color for color programs	<ul style="list-style-type: none"> • Check the HUE and COLOR settings (pp. 50 - 51).
Snow and noise only	<ul style="list-style-type: none"> • Check that it is an active or correct channel. • Check the cable setting. • Check the ANT/AUX button setting. • Check antennacable connections.
Dotted lines or stripes	 <p>This is often caused by local interference (for example, cars, neon signs and hairdryers). Adjust the telescopic aerial for minimum interference.</p>
Double images or ghosts	 <p>Reflections from nearby mountains or buildings often cause this problem. Connecting a highly directional outdoor antenna or a CATV cable may improve the picture.</p>
Remote control does not operate	<ul style="list-style-type: none"> • Check the battery in the Remote Commander.
No picture and/or sound for the connected equipment	<ul style="list-style-type: none"> • Check that the TV/VIDEO button is set correctly. • Check that the connections are properly made. • Check that the power of the connected equipment is turned on. • Check that the connected equipment is set correctly.
	<p>Try another channel. It could be station trouble.</p>

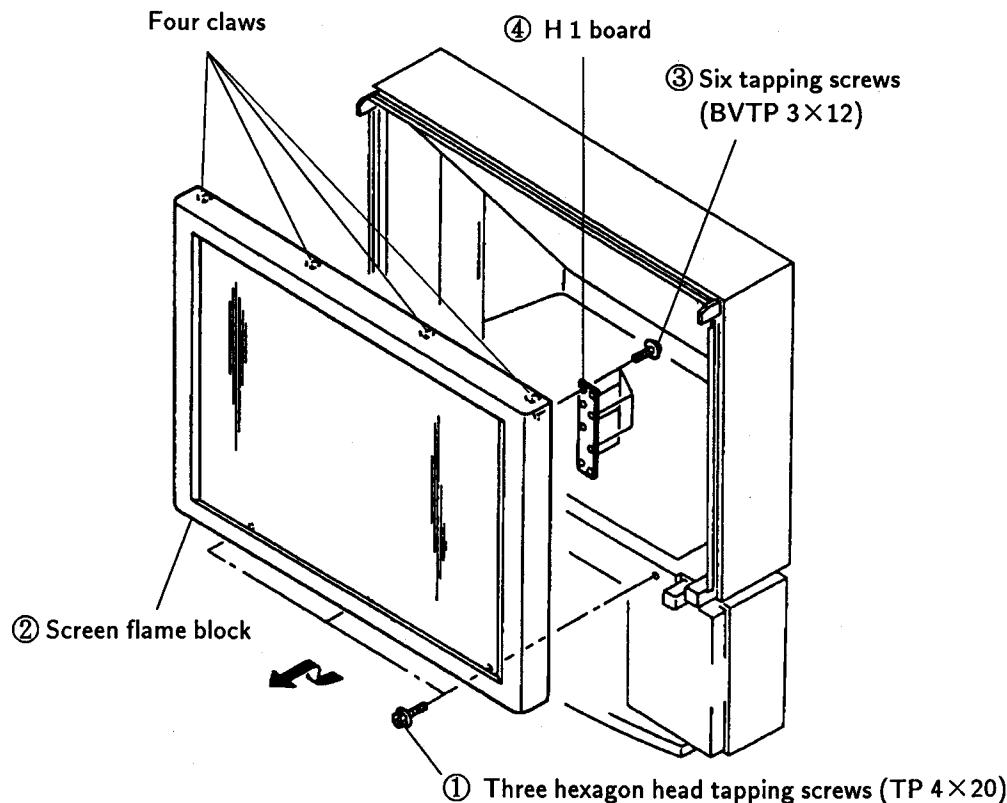
SECTION 2

DISASSEMBLY

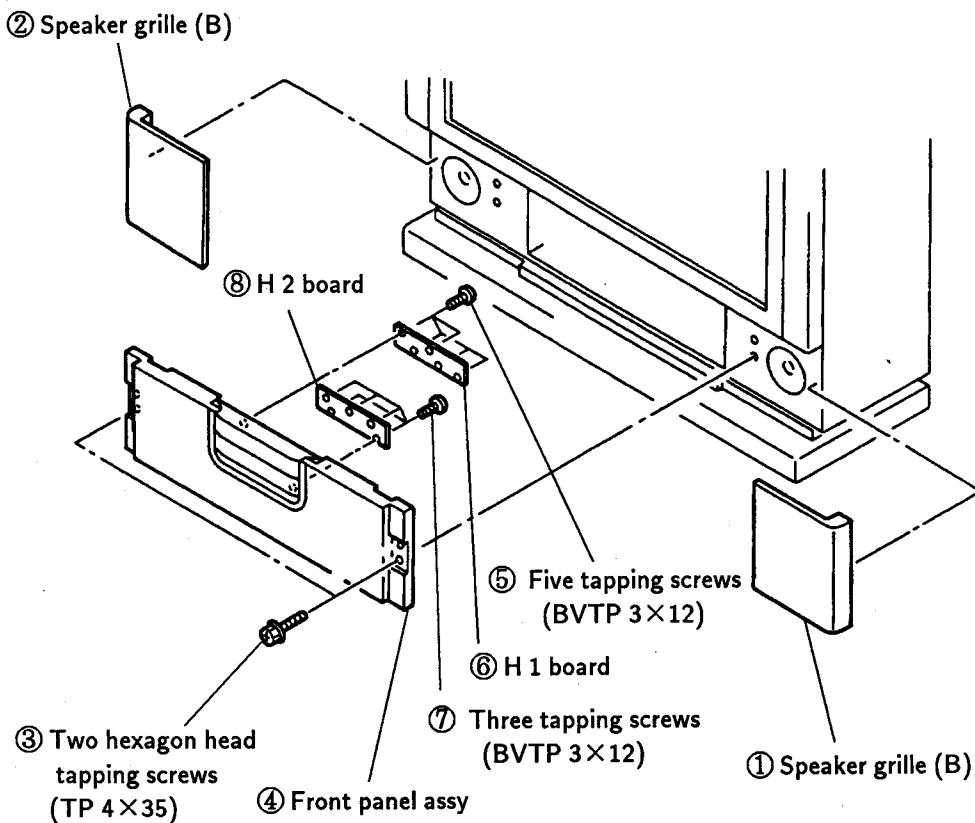
2-1. H2 BOARD REMOVAL (KP-46XBR35/53XBR35 (US/CND) only)



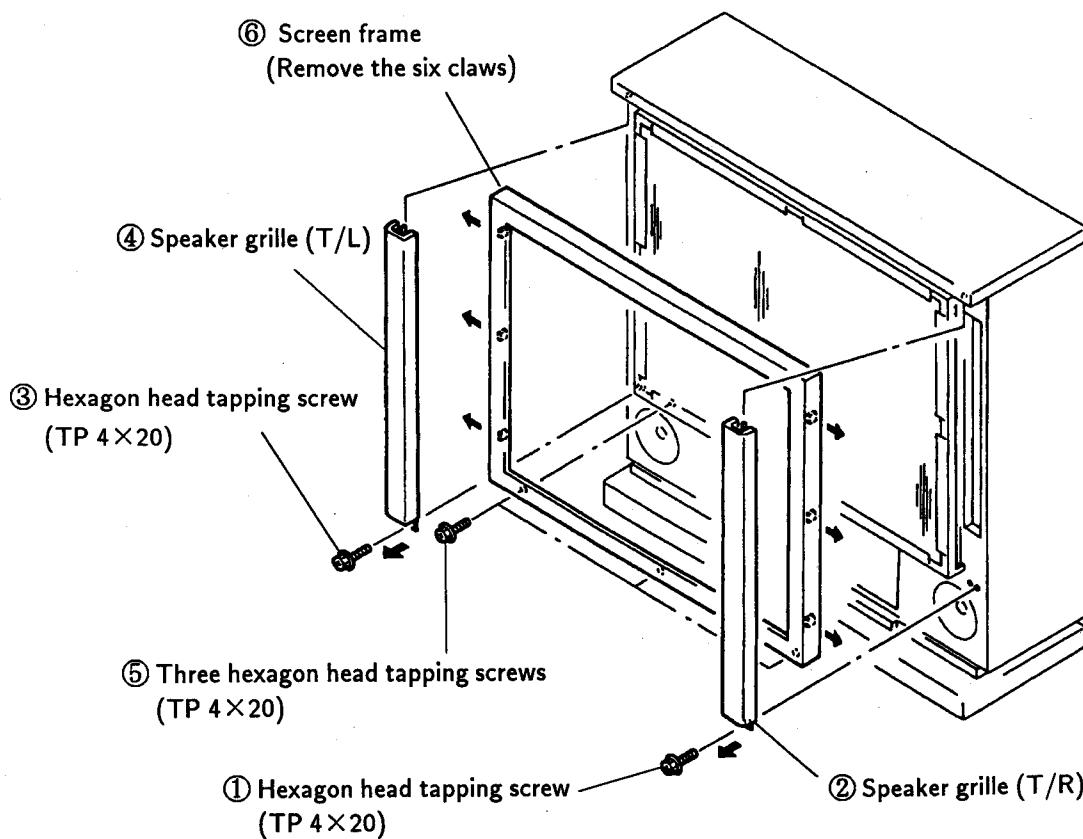
2-2. H1 BOARD REMOVAL (KP-46XBR35/53XBR35 (US/CND) only)



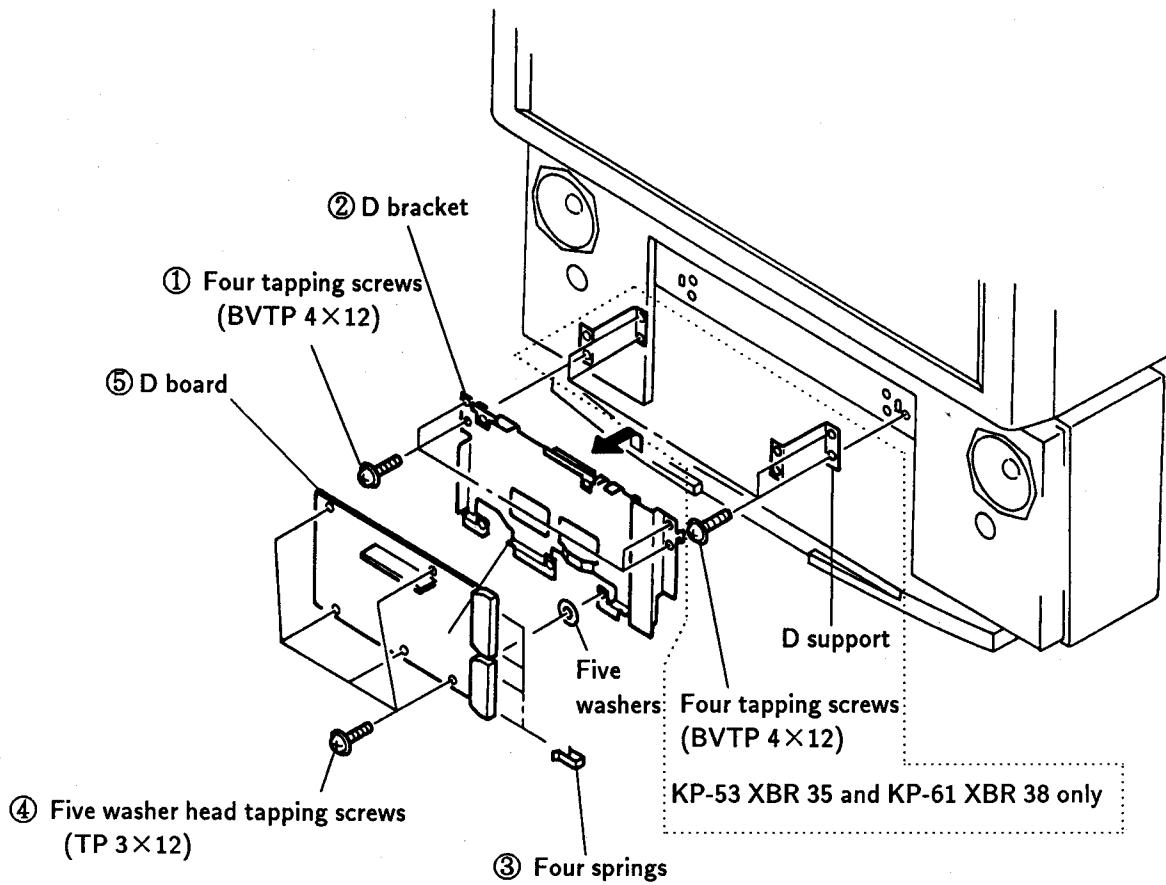
2-3-1. H1 AND H2BOARDS REMOVAL (KP-61XBR38 only)



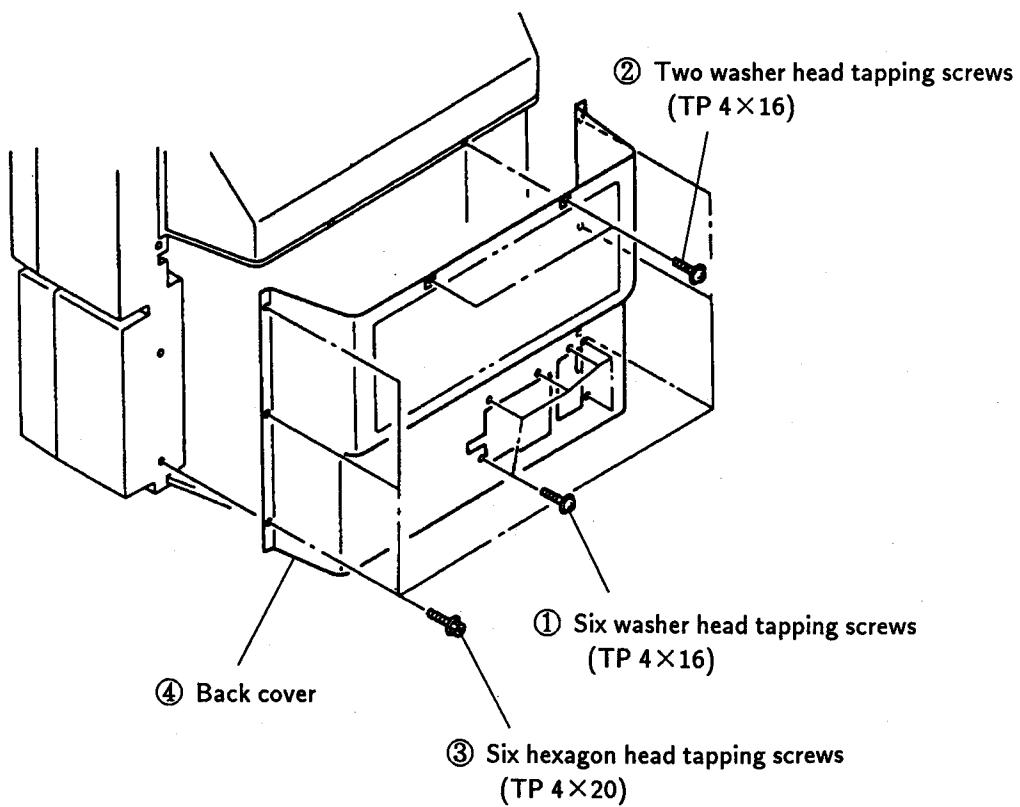
2-3-2. SCREEN FRAME REMOVAL (KP-61XBR38 only)



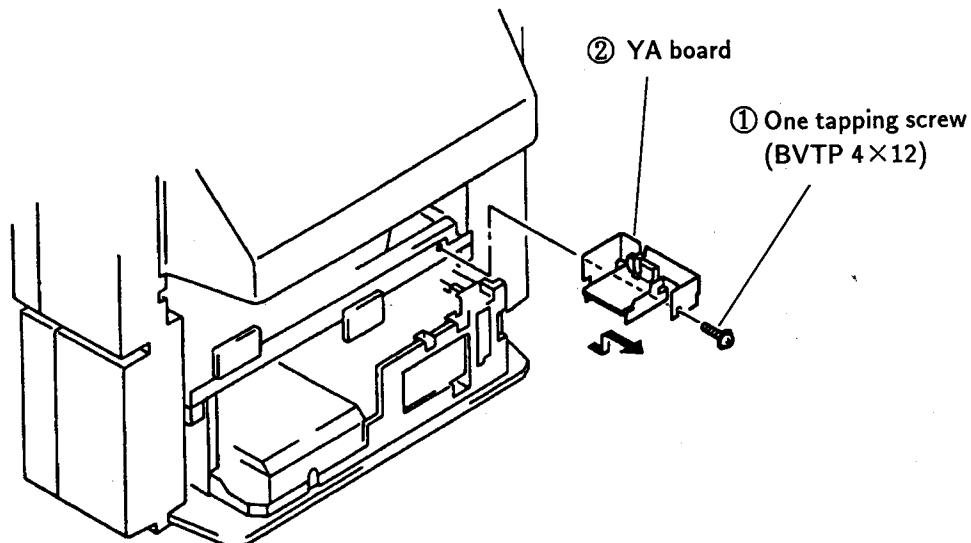
2-4. D BOARD REMOVAL



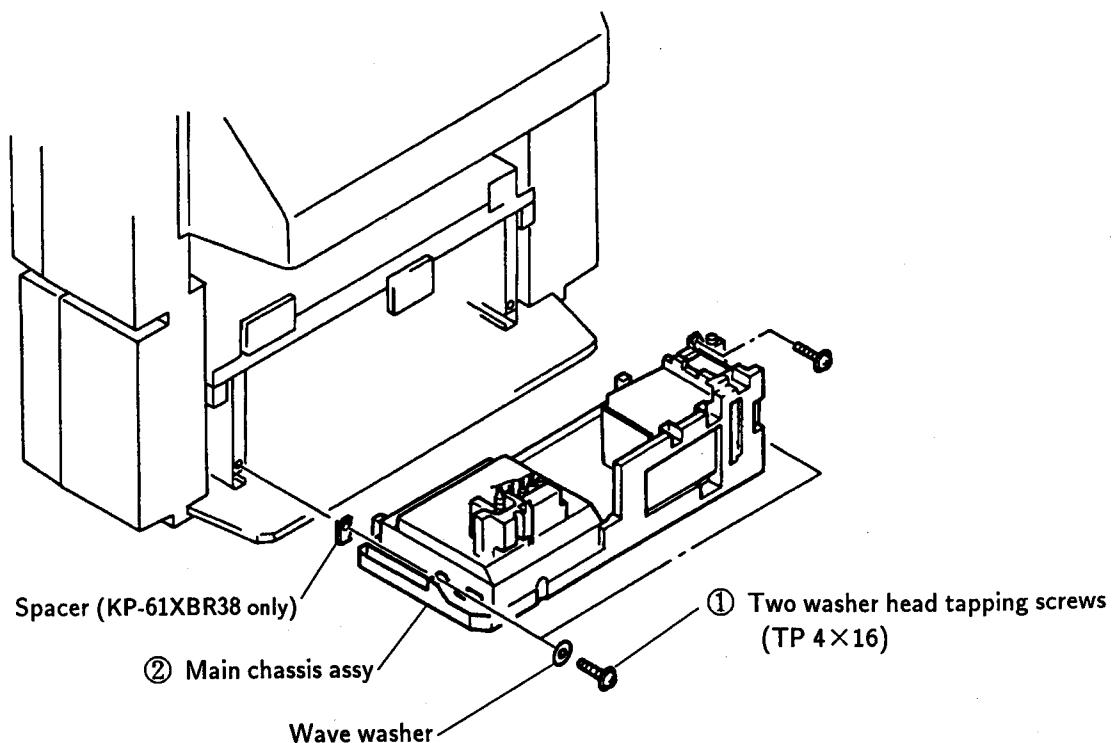
2-5. BACK COVER REMOVAL



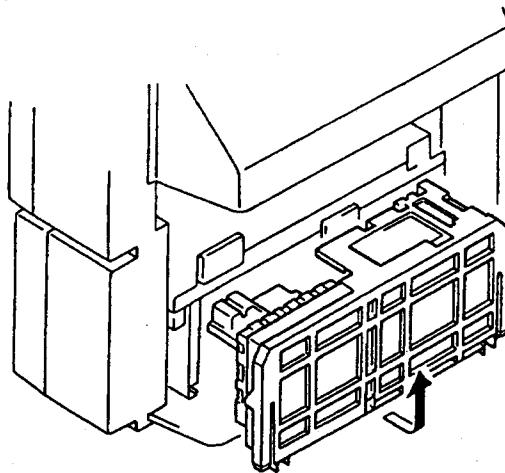
2-6. YA BOARD REMOVAL



2-7. MAIN CHASSIS ASSY REMOVAL



2-8. SERVICE POSITION



NOTES INSERTED IN SERVICE POSITION SECTION

Service Position Procedure

- (1) Remove the path locks where the harness comes into.
(MAIN bracket, G shield)
- (2) Remove the following connectors before removing the main bracket.
* HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board), V-2 connector (V board).
- (3) Remove the main bracket. (Take care as the connector leads linking to the C and Z boards are considerably short.)
(MAIN bracket, G shield)

- (4) When pulling out the main bracket with power ON, be sure to connect the connectors removed.
* HV grounding lead, G shield grounding lead, uT35 grounding lead (uT board).

In case that grounding lead (Black) of HV Block is not connected with chassis grounding, it causes arcing of CRT and it is dangerous.

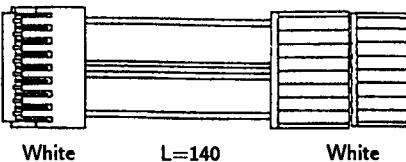
Be sure to connect grounding lead of HV Block with chassis grounding.

CONNECTOR CABLES

* In order to put the set in the service position, use the extension connector cables below.

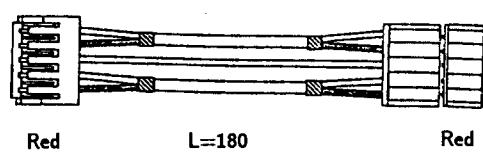
Parts No.	Connection
1-941-897-38	CB-4 (G-4)

1 : Brown
2 : —
3 : —
4 : Yellow
5 : Green
6 : —
7 : —
8 : Gray



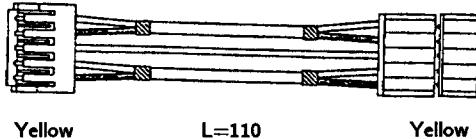
Parts No.	Connection
1-941-897-43	CR-15 (A-15)

1 : White/Gray
2 : Gray/Shield
3 : Orange
4 : Red/Gray
5 : Gray/Shield



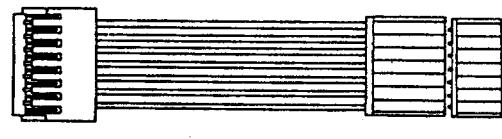
Parts No.	Connection
1-941-897-39	CG-16 (A-16)

1 : White/Gray
2 : Gray/Shield
3 : Orange
4 : Red/Gray
5 : Gray/Shield



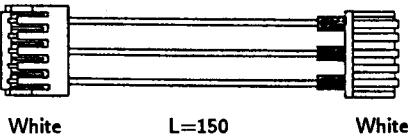
Parts No.	Connection
1-941-897-44	ZR-1 (D-1)

1 : Brown
2 : Red
3 : Orange
4 : Yellow
5 : Green
6 : Blue
7 : Violet



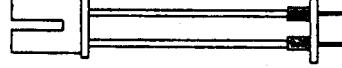
Parts No.	Connection
1-941-897-40	ZG-19 (A-19)

1 : Green
2 : —
3 : Black
4 : —
5 : Brown



Parts No.	Connection
1-941-897-45	A-21 (CRT BRACKET)

1 : Black
2 : Black



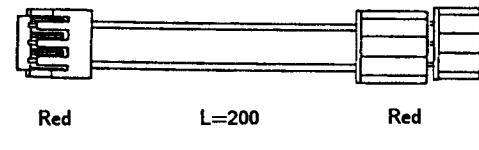
Parts No.	Connection
1-941-897-41	ZR-18 (A-18)

1 : Red
2 : —
3 : Black
4 : —
5 : Brown



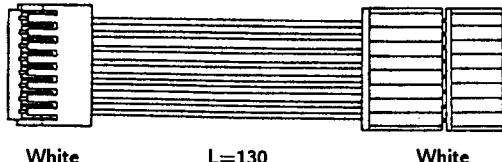
Parts No.	Connection
1-941-897-46	V-2 (ZR-3)

1 : Brown
2 : —
3 : Red



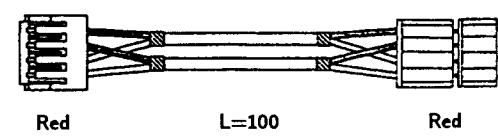
Parts No.	Connection
1-941-897-42	ZG-2 (D-2)

1 : —
2 : Red
3 : Orange
4 : Yellow
5 : Green
6 : Blue
7 : Violet
8 : Gray

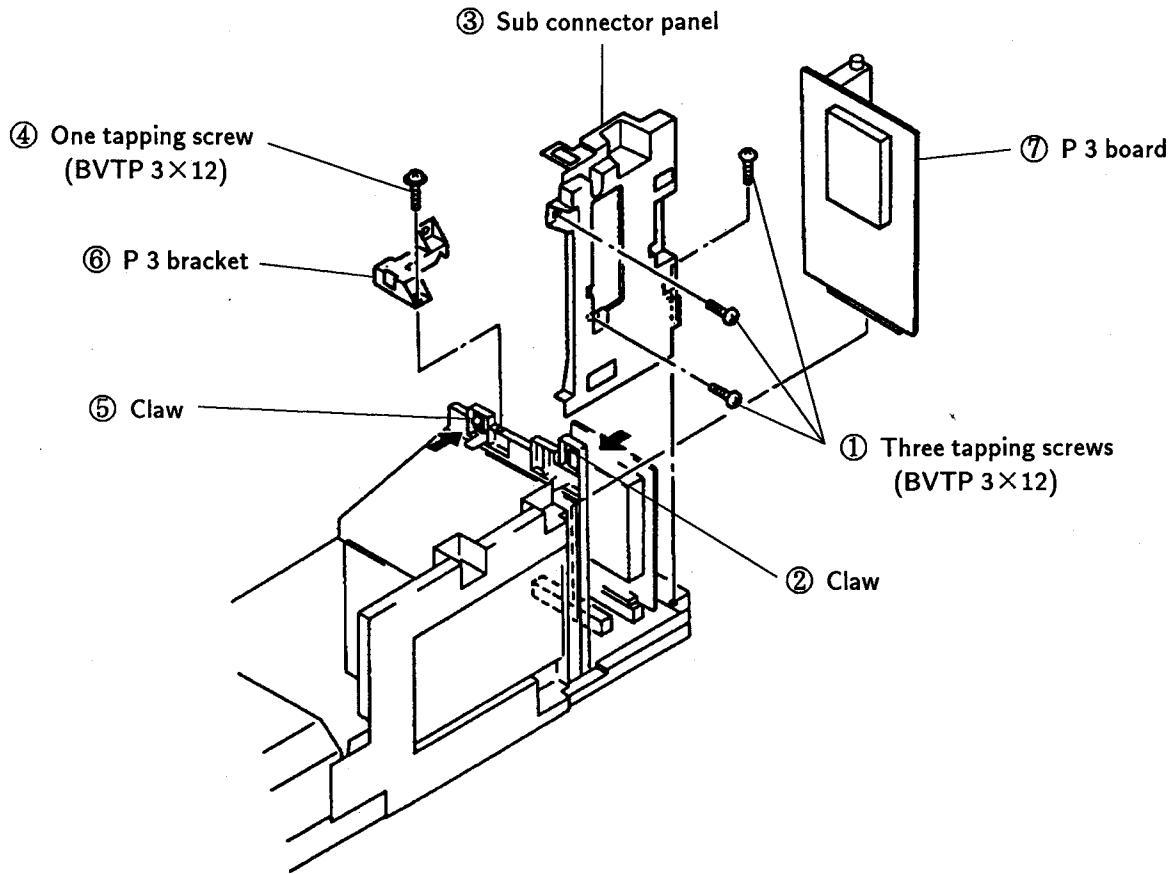


Parts No.	Connection
1-941-897-47	A-3 (YG-3)

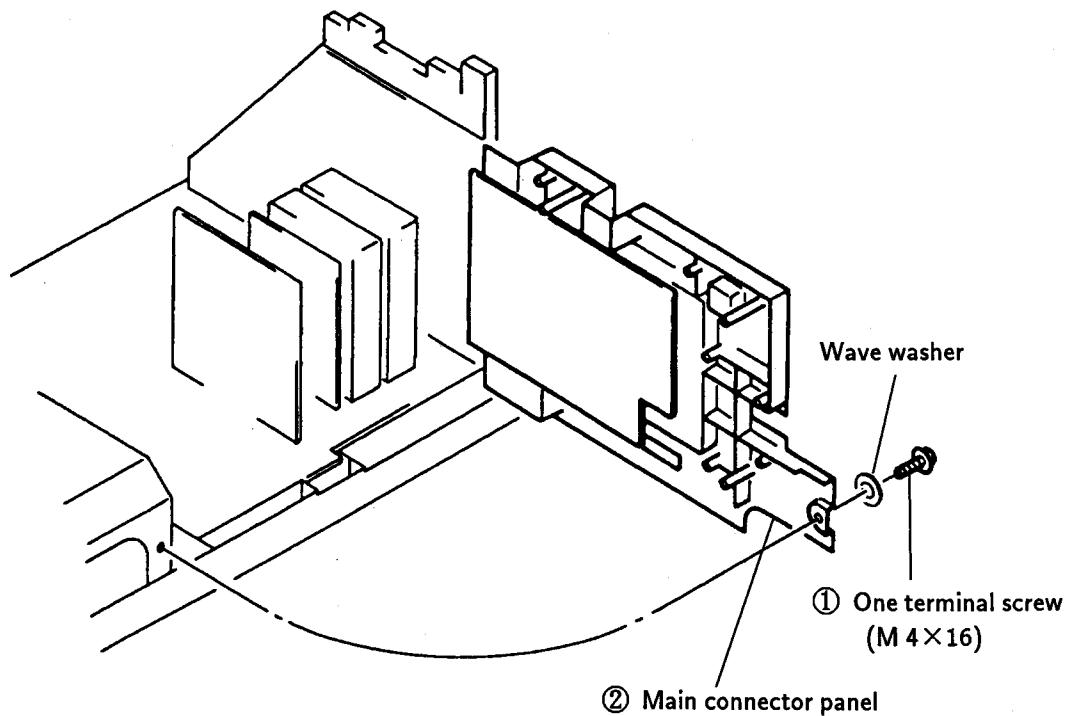
1 : Red
2 : White
3 : Gray/Shield
4 : Black



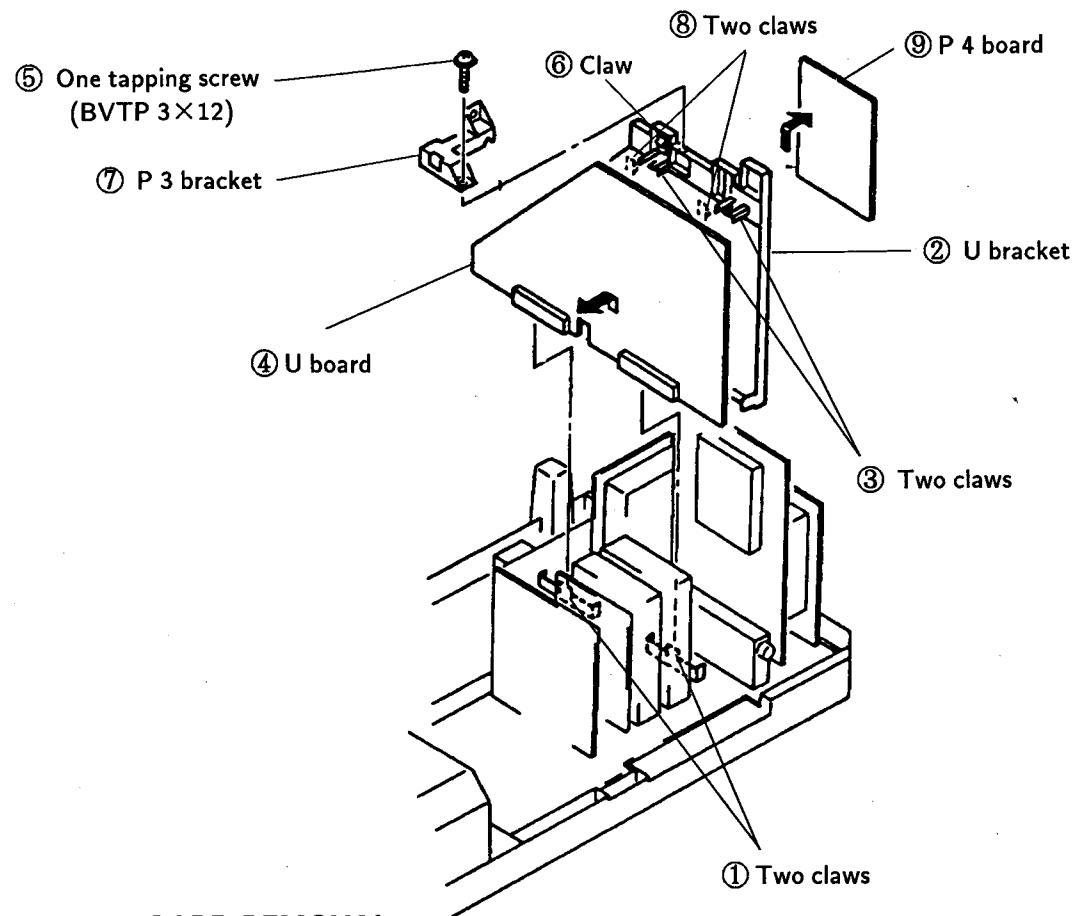
2-9. P 3 BOARD REMOVAL



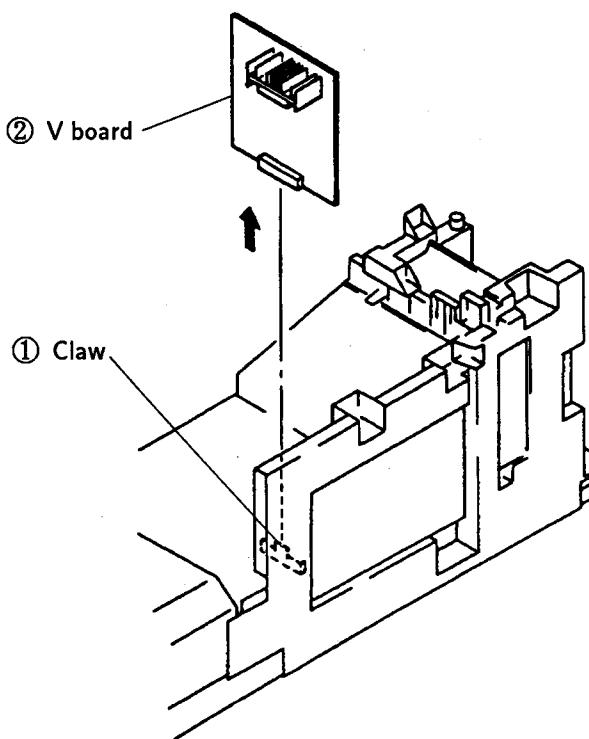
2-10. MAIN CONNECTOR PANEL REMOVAL



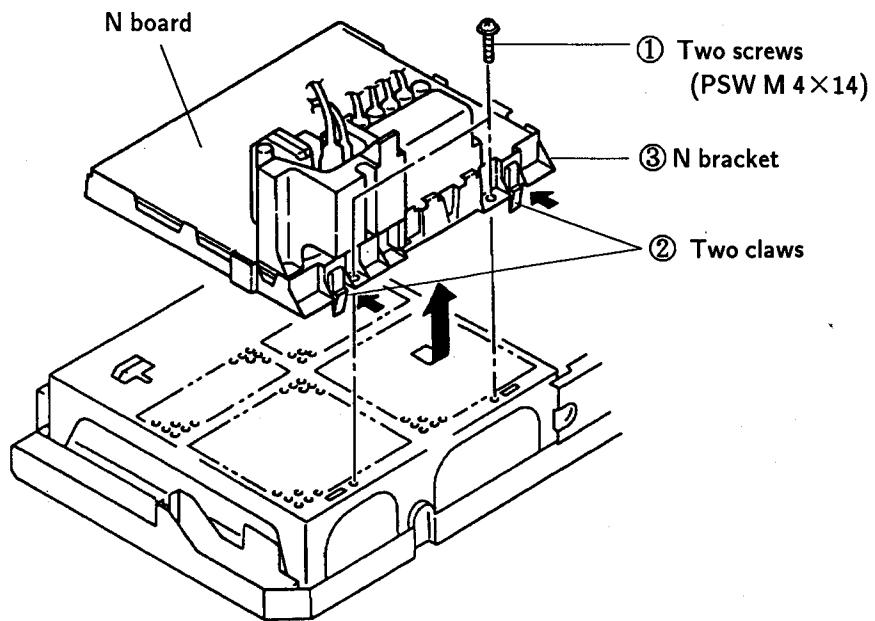
2-11. U AND P 4 BOARDS REMOVAL



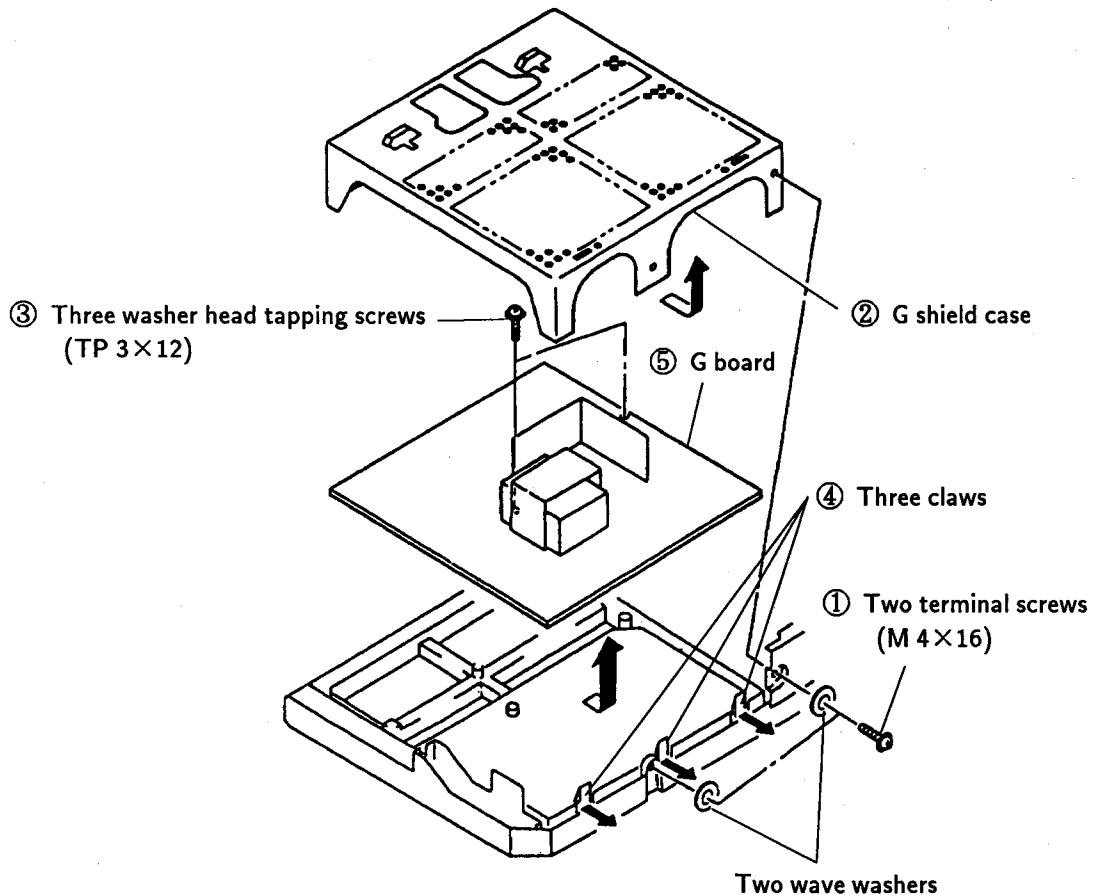
2-12. V BOARD REMOVAL



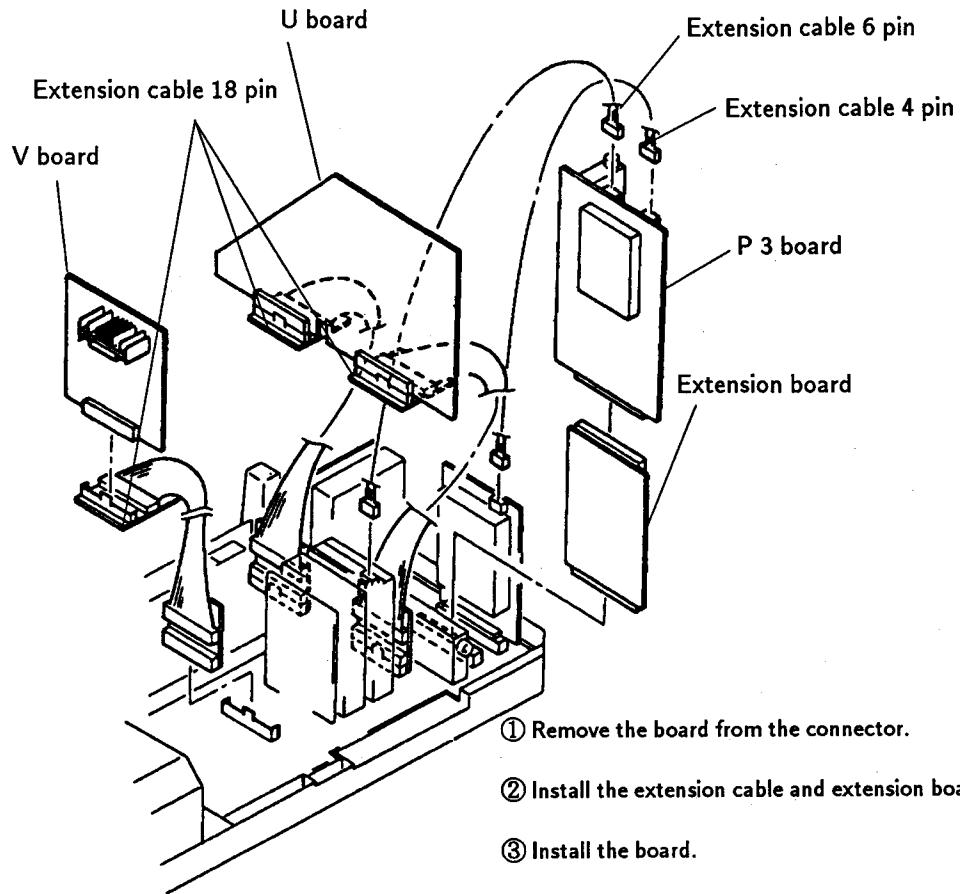
2-13. N BRACKET REMOVAL



2-14. G BOARD REMOVAL

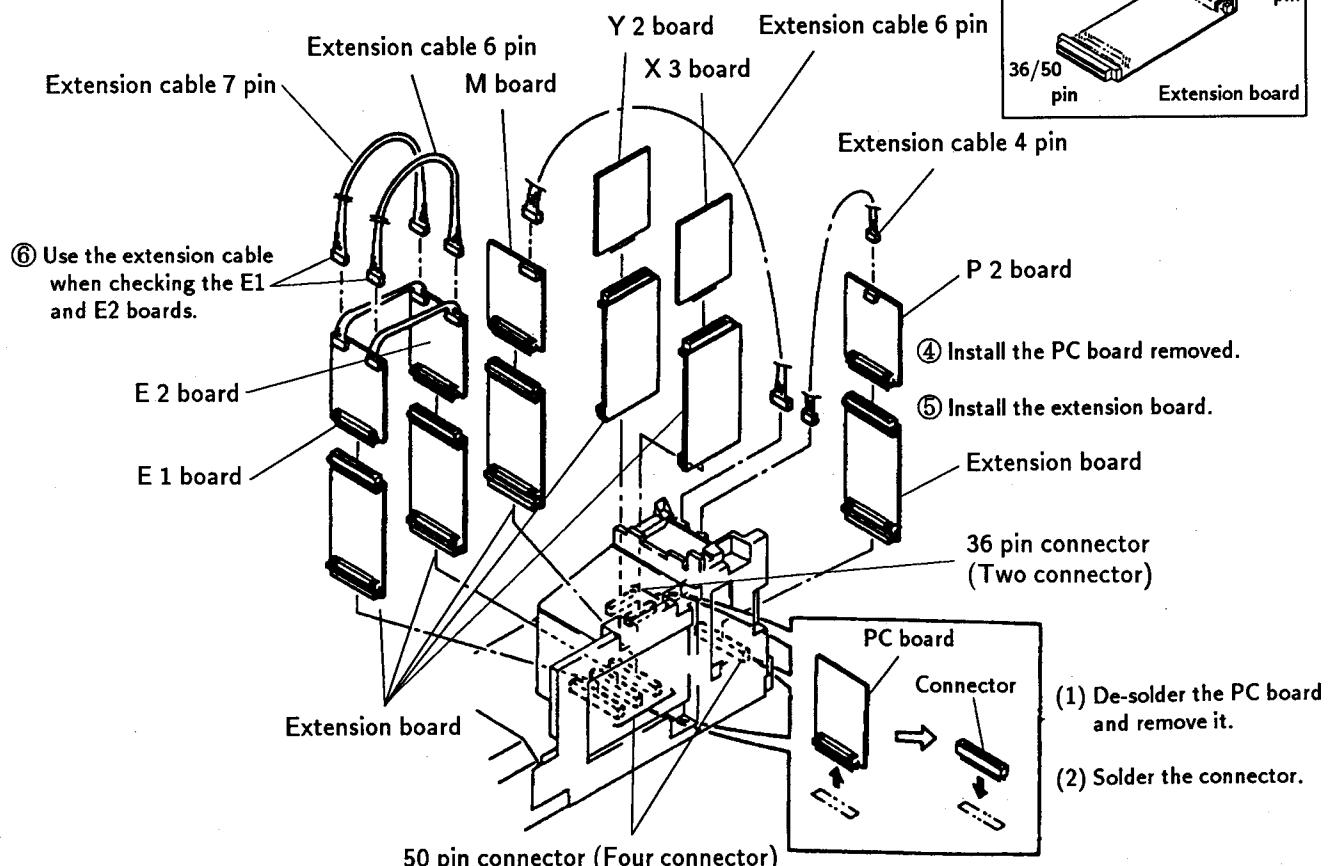


2-15-1. CONNECTOR CABLE

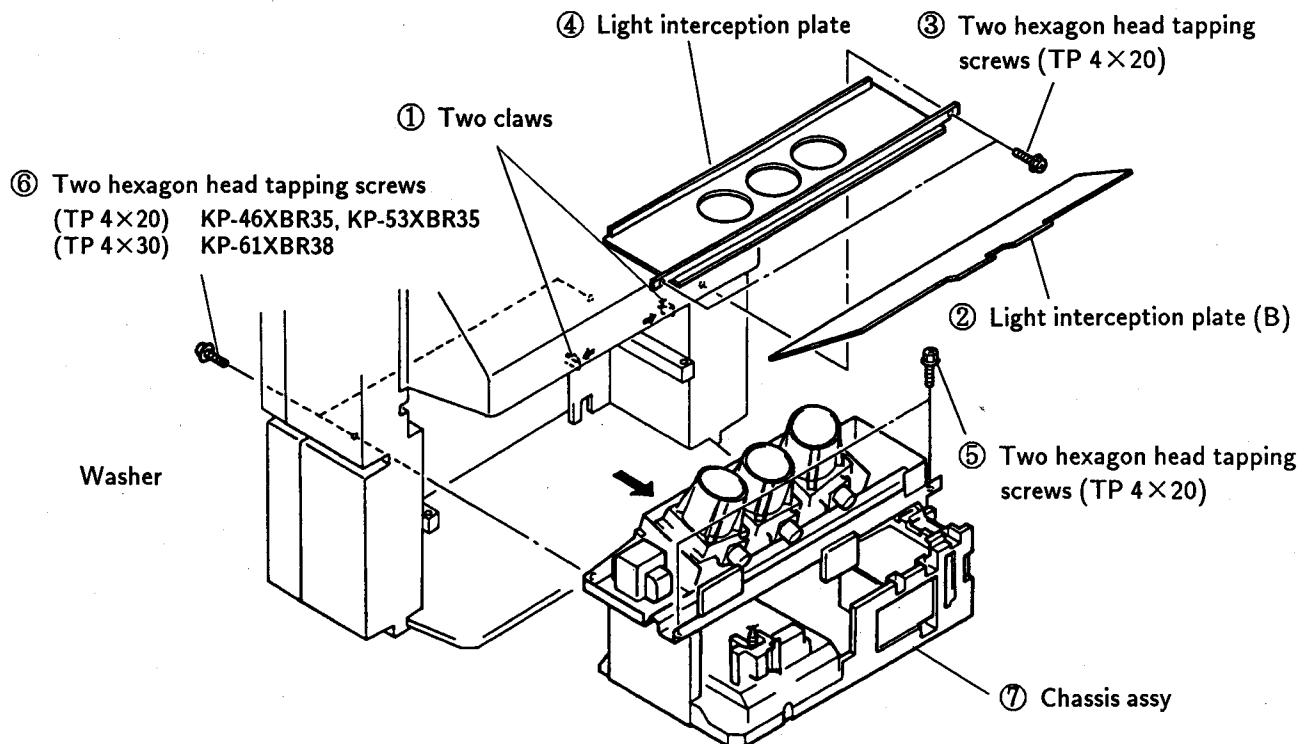


Exterior
Extension cable 4 pin 1-941-891-33
6 pin 1-941-891-31
7 pin 1-941-891-32
18 pin 3-702-558-01
10 pin 3-702-557-01
36 pin connector 3-702-561-01
50 pin connector 3-702-560-01
36/50 pin 3-702-559-01 36/50 pin Extension board

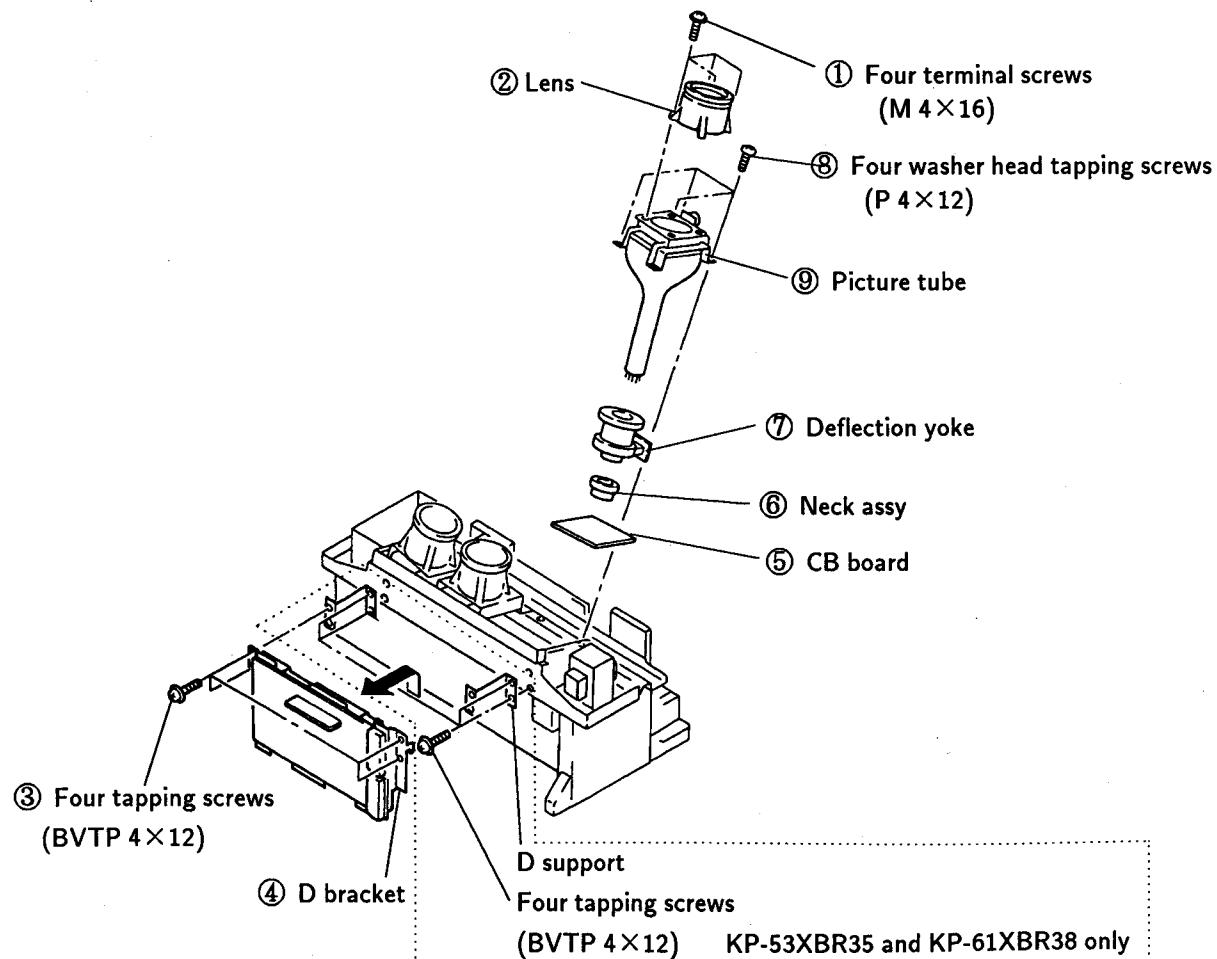
2-15-2. CONNECTOR CABLE



2-16. CHASSIS ASSY REMOVAL

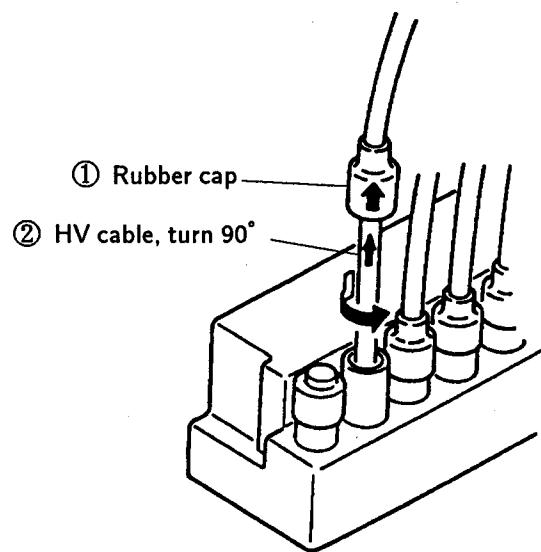


2-17. PICTURE TUBE REMOVAL

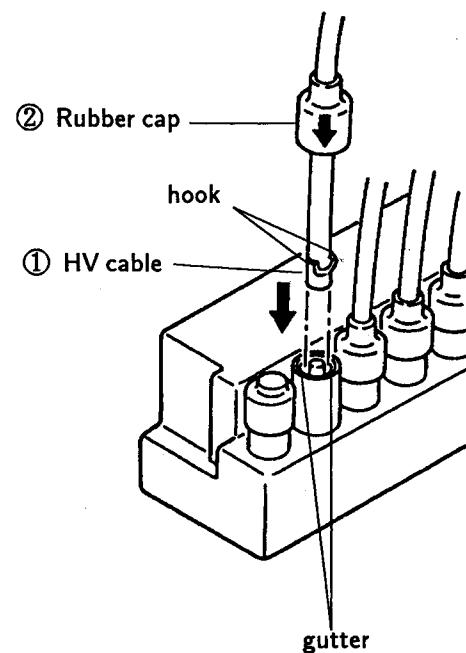


2-18. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

(1) Remover



(2) Installation

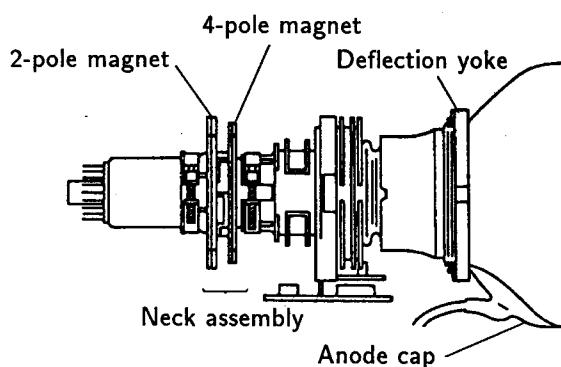


SECTION 3

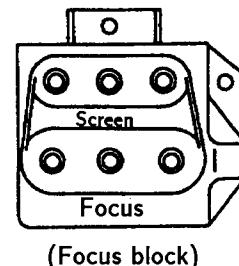
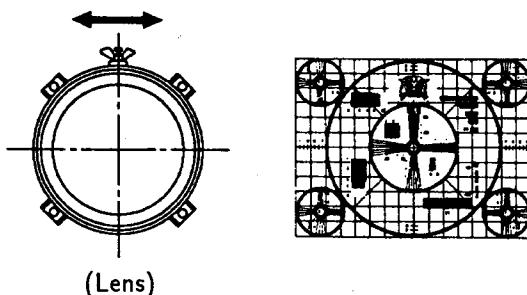
SETUP ADJUSTMENTS

3-1. FOCUS LENS ADJUSTMENTS

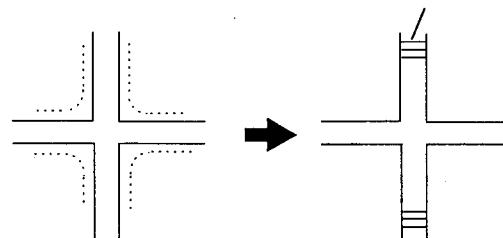
1. Set the D-board registration variable resistors (VR) to mechanical center.
2. Set the centering magnets (for red, green, and blue) to 0 as shown in the figure.



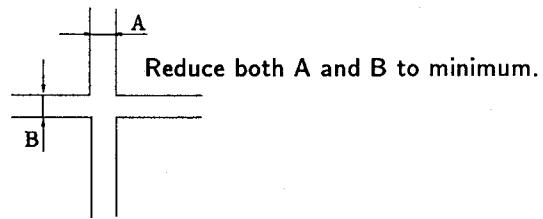
3. Input monoscope signal. Set 50% BRIGHTNESS and minimum PICTURE. Make rough adjustment so that 10IRE of the monoscope signal becomes faintly luminous using the screen VRs.
4. Set PICTURE and BRIGHTNESS maximum. Press the commander menu button. Select CONVERGENCE to display test signal.
5. Enter service mode. Select R OFF of SERVICE MODE to cut off red output. Similarly, select B OFF to cut off blue output.
6. Turn the green lens to eliminate flare of the test signal.



Verify that scanning lines are seen.



7. Turn the green focus VR in the focus block to adjust green focus to reduce both A and B of the test signal to minimum.



8. Repeat above 6 and 7. Couple of times to improve tracking and obtain an optimum focus. Then tighten the green lens screw.
9. Adjust the red and blue focuses similarly.

3-2. DEFLECTION YOKE POSITION ADJUSTMENTS

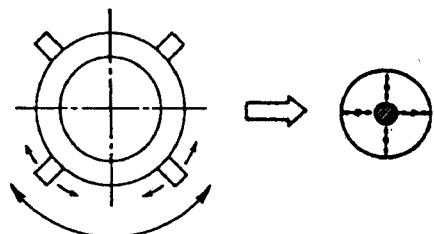
1. Input monoscope signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output. Similarly, select B OFF to cut off blue output.
3. Loosen the deflection yoke (DY) fitting screws. Tilt the DY to obtain the best horizontal and vertical monoscope patterns.
4. After adjustment, press the DY onto the cathode ray tube (CRT) funnel and tighten the screws.
5. Also adjust DY positions for red and blue outputs in the same way.

3-3. 2-POLE MAGNET ADJUSTMENT

1. Input dot signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
Similarly, select B OFF to cut off blue output.
3. Set PICTURE to maximum. Turn the green focus variable resistor (VR) in the focus block counterclockwise from the just focus to brighten the point in the dot.
4. Adjust the 2-pole magnet to position the bright point at the center of the dot.
5. Adjust the red and blue dots in the same way.

* Use the center dot:red and green

Use the vertical center and left end dot :blue

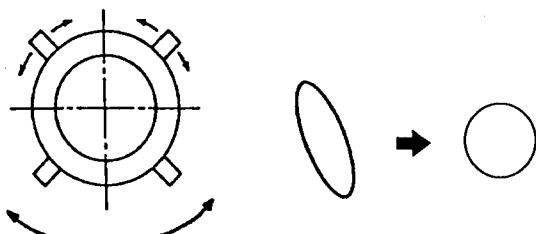


3-4. 4-POLE MAGNET ADJUSTMENT

1. Input dot signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
Similarly, select B OFF to cut off blue output.
3. Set PICTURE to maximum. Turn the green focus variable resistor (VR) in the focus block clockwise (count clockwise:blue) from the just focus until the dot diameter becomes as shown below.
4. Adjust the 2-pole magnet to make the dot perfectly round.
5. Turn the green focus variable resistor to the just focus.
6. Adjust the red and blue dot in the same way.

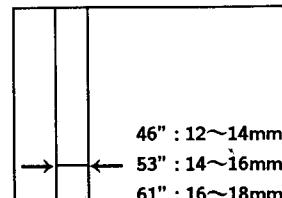
* Use the center dot : red and green

Use the vertical center and left end dot : blue



3-5. DE-FOCUS ADJUSTMENT (BLUE)

1. Input cross hatch signal.
2. Turn the blue focus variable resistor (VR) in the focus block counter clock wise so that the width of the left end vertical line becomes as shown below.

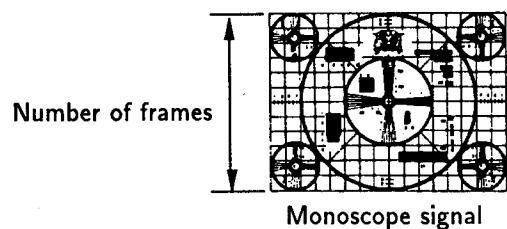


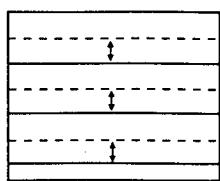
without flare

3-6. GREEN PICTURE ADJUSTMENTS

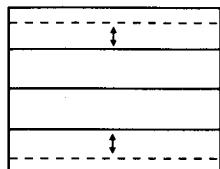
1. Input monoscope signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
Similarly, select B OFF to cut off blue output.
3. Turn RV913 and RV960, the vertical green linearity variable resistors (V.G LIN VRs) on the D-board, to obtain an optimum vertical linearity. Then turn RV911, the vertical green amplitude variable resistor (V.G SIZE VR) to set vertical amplitude to 11.7 frames.

Note: The vertical position indicator of the monoscope signal must be positioned at the center by adjusting RV905, the vertical green center position variable resistor (V.G CENT VR) in advance.

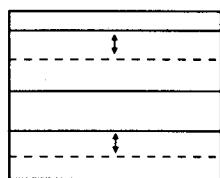




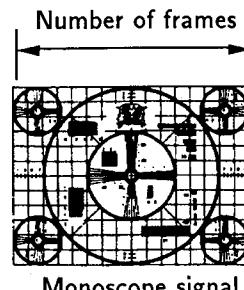
RV905 V.G CENT
(vertical position)



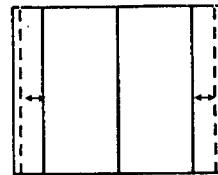
RV911 V.G SIZE
(vertical amplitude)



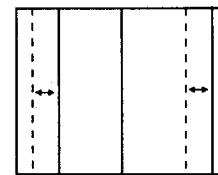
RV913 V.G LIN
(vertical linearity)



Monoscope signal

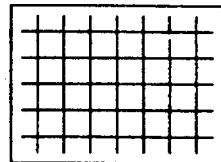


RV908 H.G SIZE
(horizontal position)



RV916 H.G LIN
(horizontal linearity)

- Verify that the horizontal lines on the top and bottom of cross-hatched area of the monoscope signal are horizontal and linear.



- Turn RV916, RV964 and RV969, the horizontal green linearity variable resistors (H.G LIN VRs) on the D-board, to obtain an optimum horizontal linearity.

Then turn RV908, the horizontal green amplitude variable resistor (H.G SIZE VR) to set horizontal amplitude to 15.6 frames.

Note: The horizontal position indicator of the monoscope signal must be positioned at the center by adjusting RV902, the horizontal green center position variable resistor (V.G CENT VR) in advance.

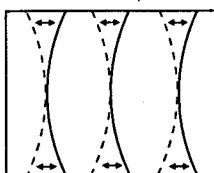
- Input cross hatch signal.

Turn vertical green (V.G) and horizontal green (H.G) variable resistors (VRs) and make adjustments according to the following steps :

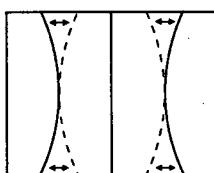
(Adjustment procedure)

- [BOW] → [SKEW] → [CENT (center position)]
- [PIN (pin warp)] → [SUB BOW] → [BOW]
- [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
- [M.WAVE (middle sine wave warp)] → [WAVE-A (upper and lower sine wave warp)] → [WAVE-U (upper sine wave warp)]
※ For vertical (V) only.
- [V-M.PIN (vertical middle pin warp)] → [V/WING (vertical wing warp)]
※ For vertical (V) only.
- [H-M.PIN (horizontal middle pin warp)]
※ For horizontal (H) only.

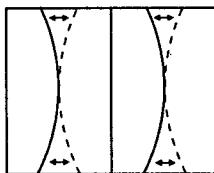
(Dot motion)



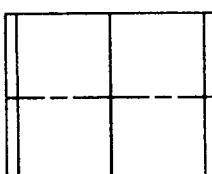
RV932 H.G BOW
(horizontal green bow)



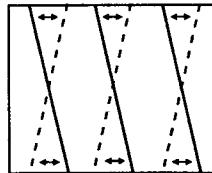
RV941 H.G PIN
(horizontal green pin warp)



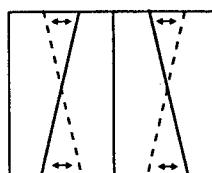
RV950 H.G SUB BOW
(horizontal green sub bow)



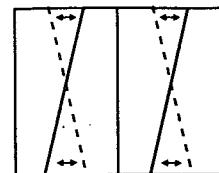
V.G BOW.....RV935
V.G PIN.....RV938
V.G SUB BOW.....RV953



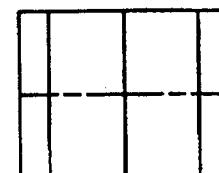
RV920 H.G SKEW
(horizontal green skew)



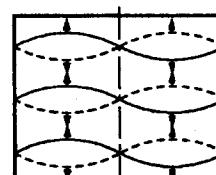
RV925 H.G KEYS
(horizontal green trapezoid)



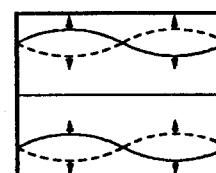
RV944 H.G SUB SKEW
(horizontal green sub skew)



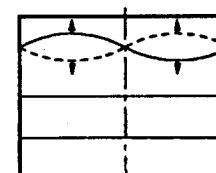
V.G SKEW.....RV923
V.G KEYS.....RV929
V.G SUB SKEW.....RV947



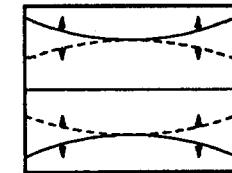
RV962 V-M-WAVE
(vertical middle sine wave warp)



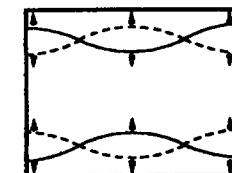
RV975 V-WAVE-A
(vertical upper and lower sine wave warp)



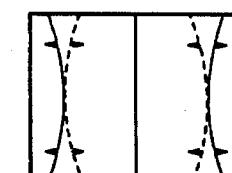
RV978 V-WAVE-U
(vertical upper sine wave warp)



RV980 V-M. PIN
(vertical middle pin warp)
※ Common in red, green, and blue



RV957 V/WING
(wing warp)
※ Common in red, green, and blue



RV956 H/M. PIN
(horizontal middle pin warp)

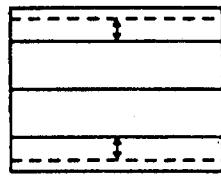
3-7. GREEN AND RED REGISTRATION ADJUSTMENTS

1. Input cross hatch signal.
2. Enter service mode. Select B OFF of SERVICE MODE to cut off blue output.
3. Turn the vertical red (V.R) and horizontal red (H.R) variable resistors (VRs) to adjust red picture convergence in relation to green picture according to the following steps :

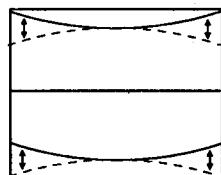
(Adjustment procedure)

1. [LIN (linearity)] → [SIZE (amplitude)] → [CENT (center position)]
2. [BOW] → [SKEW] → [CENT (center position)]
3. [PIN (pin warp)] → [SUB BOW] → [BOW]
[H/M. PIN (horizontal middle pin warp)]
4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
5. [M.WAVE (middle sine wave warp)] →
[WAVE-A (upper and lower sine wave warp)] →
[WAVE-U (upper sine wave warp)]

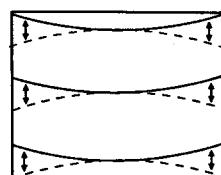
(Dot motion)



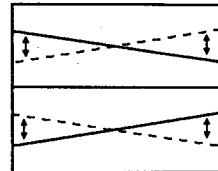
RV912 V.B SIZE
(vertical red amplitude)



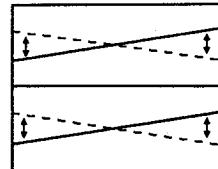
RV952 V.R SUB BOW
(vertical red sub bow)



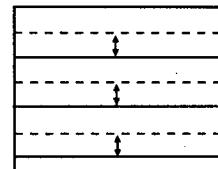
RV943 V.R BOW
(vertical red bow)



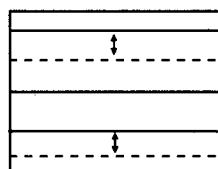
RV928 V.R KEYS
(vertical red trapezoid)



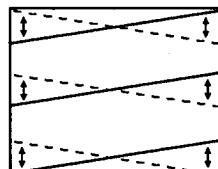
RV946 V.R SUB SKEW
(vertical red sub skew)



RV904 V.R CENT
(vertical red center position)



RV917 V.R LIN
(vertical red linearity)



RV922 V.R SKEW
(vertical red skew)

H.R LIN.....	RV915
H.R SIZE.....	RV907
H.R CENT.....	RV901
H.R BOW.....	RV931
H.R SKEW.....	RV919
H.R PIN.....	RV940
H.R KEYS.....	RV926
H.R SUB BOW.....	RV949
H.R SUB SKEW.....	RV943
V-M-WAVE.....	RV973
V-WAVE-A.....	RV976
V-WAVE-U.....	RV979
V-M.PIN.....	RV980
V/WING.....	RV957
H/M.PIN.....	RV956

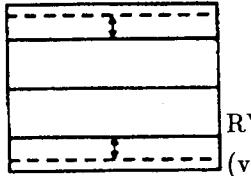
3-8. GREEN AND BLUE REGISTRATION ADJUSTMENTS

1. Input cross hatch signal.
2. Enter service mode. Select R OFF of SERVICE MODE to cut off red output.
3. Turn the vertical blue (V.B) and horizontal blue (H.B) variable resistors (VRs) to adjust blue picture convergence in relation to green picture according to the following steps :

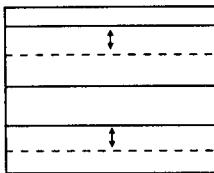
(Adjustment procedure)

1. [LIN (linearity)] → [SIZE (amplitude)] → [CENT (center position)] →
2. [BOW] → [SKEW] → [CENT (center position)]
3. [PIN (pin warp)] → [SUB BOW] → [BOW]
[H/M. PIN (horizontal middle pin warp)]
4. [KEYS (trapezoid)] → [SUB SKEW] → [SKEW]
5. [M.WAVE (middle sine wave warp)] →
[WAVE-A (upper and lower sine wave warp)] →
[WAVE-U (upper sine wave warp)] →

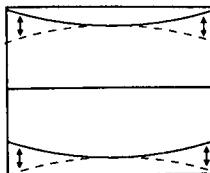
(Dot motion)



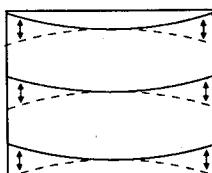
RV912 V.B SIZE
(vertical blue amplitude)



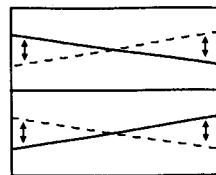
RV918 V.B LIN
(vertical blue linearity)



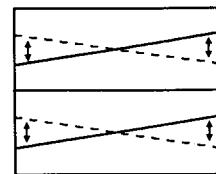
RV954 V.B SUB BOW
(horizontal blue sub bow)



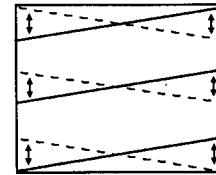
RV936 V.B BOW
(vertical blue bow)



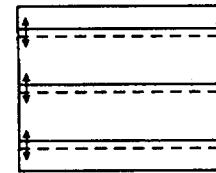
RV930 V.B KEYS
(vertical blue trapezoid)



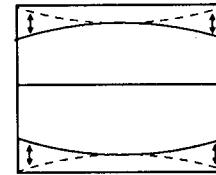
RV948 V.B SUB SKEW
(vertical blue sub skew)



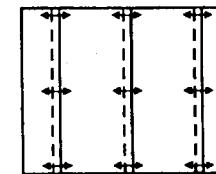
RV924 V.B SKEW
(vertical blue skew)



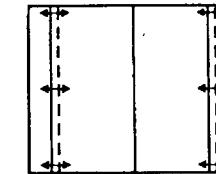
RV906 V.B CENT
(vertical blue center position)



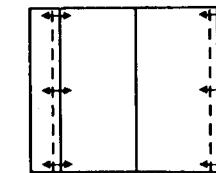
RV939 V.B PIN
(vertical blue pin warp)



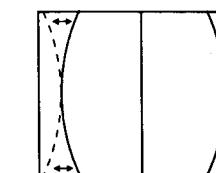
RV903 H.B CENT
(vertical blue center position)



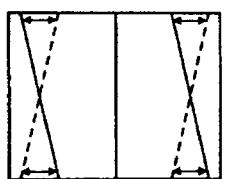
RV909 H.B SIZE
(horizontal blue amplitude)



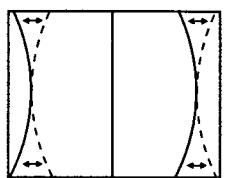
RV914 H.B LIN
(horizontal blue linearity)



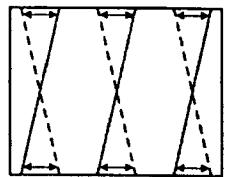
RV942 H.B PIN
(horizontal blue pin warp)



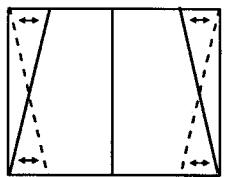
RV954 H.B SUB SKEW
(horizontal blue sub skew)



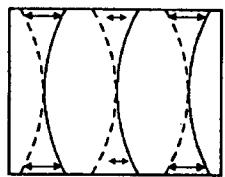
RV951 H.B SUB BOW
(horizontal blue sub bow)



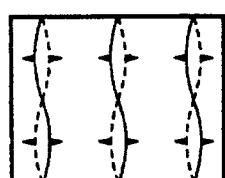
RV921 H.B SKEW
(horizontal blue skew)



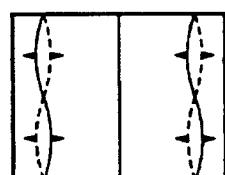
RV927 H.B KEYS
(horizontal blue trapezoid)



RV933 H.B BOW
(horizontal blue bow)



RV981
※ Common in red,
green, and blue



RV982
※ Common in red,
green, and blue

H/M PIN.....RV958

M.WAVE.....RV961

WAVE-A.....RV974

WAVE-U.....RV977

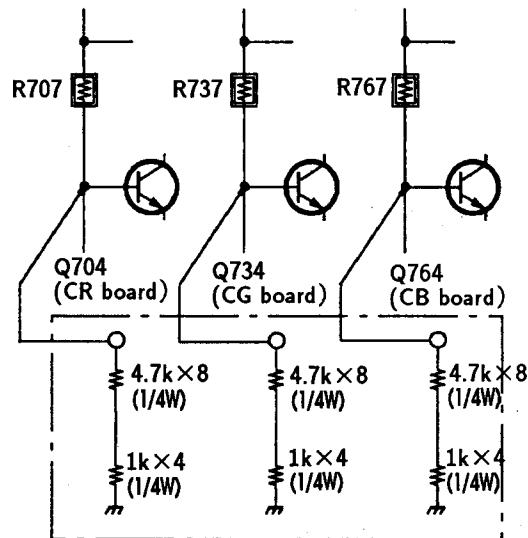
3-9. REGISTRATION CHECK

1. Out put red, blue, and green.
2. Out put cross hatch and monoscope signals to check registration. Also check focus.

3-10. WHITE BALANCE ADJUSTMENTS

1) Screen adjustment

1. Input white signal.
2. Remove connectors CR-15, CG-16, and CB-17.
3. Fit jigs between the ground and R707, R737, and R767.



※ Resistors in each jig are connected serial.

4. Turn the RGB (red, green, and blue) screen variable resistors in the focus block to make the flyback line faint. Stop before the line completely disappears.
5. Insert connectors CR-15, CG-16, and CB-17.

**2) White balance adjustments (SBRT, GAMP, BAMP,
GCUT, BCUT)**

1. Input monoscope signal and enter service mode.
2. Select the picture quality adjustment from the menu and set PICTURE minimum.
3. Use the commander to adjust SBRT so that 10 IRE of the monoscope pattern becomes faintly luminous.
4. Input white signal.
5. Set PICTURE minimum. Adjust item GCUT and BCUT to obtain an optimum white balance.
6. Set PICTURE maximum. Adjust GAMP and BAMP to obtain an optimum white balance.
7. Repeat white balance adjustment alternating PICTURE setting at the minimum and maximum.

MEMO

SECTION 4

SAFETY RELATED ADJUSTMENTS

4-1. SAFETY RELATED ADJUSTMENTS

When replacing the following components, make the HV REGULATOR adjustments (on the N board)

-HV block, IC803, IC805, D805, D807, C817, C818, C821, C836, C837, R824, R825, R827, R828, R834, R835, R836, R864, R865, R866, R902

When replacing the following components, make the HV HOLD DOWN adjustments (on the N board)

-HV block, IC803, IC804, Q804, D806, D808, C809, C819, C820, C822, C823, C850, R807, R826, R829, R832, R833, R837, R838, R839, R840, R841, R892, R893, R900, R901

When replacing the following components, make the BEAM CURRENT PROTECTOR adjustments (on the N board)

-① IC802, Q805, Q807, D811, D812, C810, C824, C825, C826, C827, C831, R810, R843, R844, R847, R848, R849, R850, R851, R852, R853, R854, R881
- ② IC804, Q804, Q808, D808, D809, C809, C828, C829, C830, C831, R807, R839, R840, R841, R847, R848, R849, R850, R851, R852, R855, R856, R857, R881

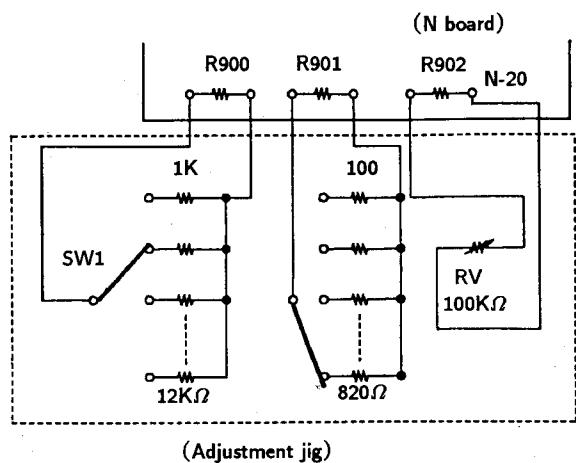
When replacing the following components, make the OVP CIRCUIT adjustments (on the G board)

-Q618, Q621, D628, C634, R639, R649, R652, R655, R656

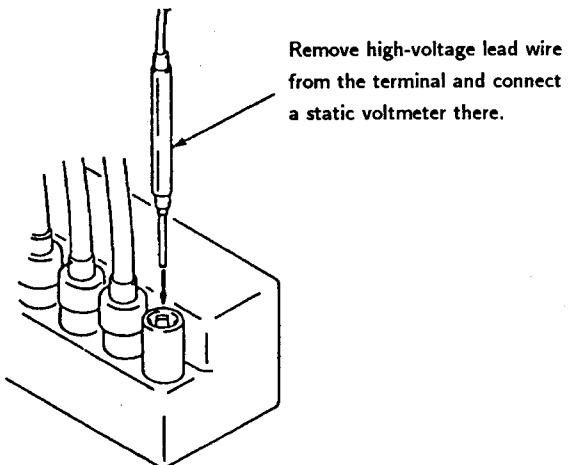
— Checking with static voltmeter —

HV HOLD DOWN ADJUSTMENTS (R900, R901)

1. Verify that the power switch is off.
2. Connect the HV hold down adjustment resistance jig to the N20 connector on the N board.



3. Connect an external variable resistor (RV) to R902 of the N board.
4. Remove the cap off from the unused terminal of the high voltage block. Connect a static voltmeter to the terminal.



5. Receive 120 VAC power voltage and monoscope pattern signal. Maximize PICTURE and BRIGHTNESS.
6. Use the external variable resistor of the hold down adjustment jig to make the static voltmeter to read $33.50 \pm 0.50\text{kVDC}$.
7. Raise resistances with the jig until the HV hold down circuit is activated. Read the figures then, and mount resistance of the measured figures to R900 and R901.
R900 : Must be $1\text{k}\Omega$ to $12\text{k}\Omega$
R901 : Must be $J_w 100\Omega$ to 820Ω
8. Turn on power again. Vary external variable resistance and confirm that the HV hold down circuit is activated at the reated value, $33.50 \pm 0.50\text{kV}$.

— Checking without static voltmeter —

HV HOLD DOWN ADJUSTMENT (R900, R901)

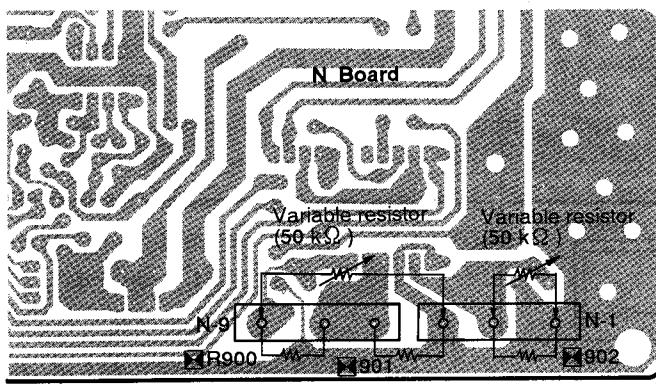
1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
2. Remove R902 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
3. Remove R900 and R901 from the N board. Connect a variable resistor of $50k\Omega$ on each end, and minimize the resistance.
4. Connect a digital voltmeter between the D801 cathode and chassis ground of the N board.
5. Turn on the power switch. Adjust the variable resistors connected to the R902 of the N board to make the digital multimeter to read 145.0VDC.
6. Adjust the variable resistors connected to R900 and R901 on the N board so as to activate the HV hold down circuit and turn off the display.
7. Read the variable resistors connected to R900 and R901 and mount fixed resistors of measured resistance to the terminals.

Note : Select fixed resistance from the following ranges.

R900 : $1k\Omega$ to $12k\Omega$

R901 : $J_w 100\Omega$ to 820Ω

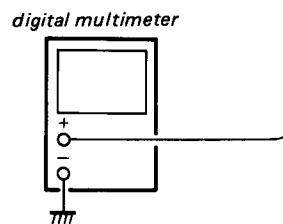
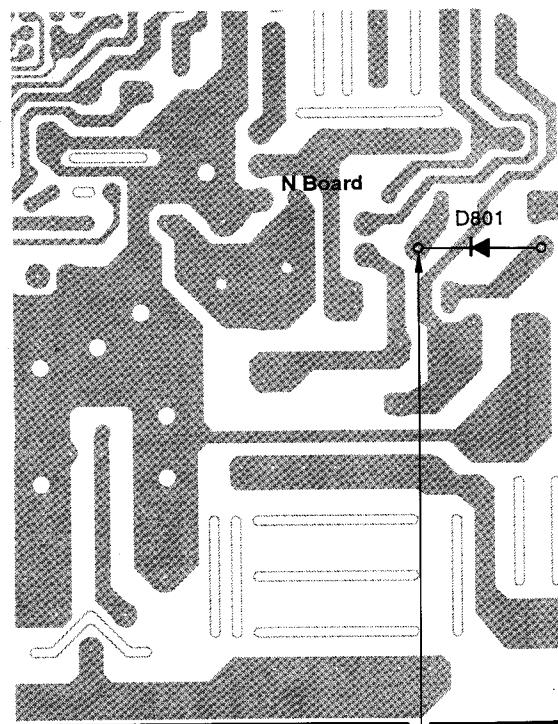
8. Maximize resistance of the variable resistor connected to R902 of the N board and turn on power.
9. Vary variable resistance at R902. Confirm that the HV hold down circuit is activated and the display is turned off when voltage reads $134 \pm 1.0V$.

**HV REGULATOR ADJUSTMENT (R902)**

1. Receive all-white signal. Maximize PICTURE and BRIGHTNESS.
2. Connect a variable resistor of $50k\Omega$ on each end of R902 of the N board. Maximize resistance.
3. Connect a digital voltmeter between the D801 cathode and the chassis of the N board.
4. Turn on power. Adjust the variable resistor so that the digital multimeter reads $135.0V \pm 1.0V$.
5. Read the variable resistance then.
6. Mount a fixed resistor of the measured resistance to R902.

Note : R902 : Must be $2.2k\Omega$ to $27k\Omega$

7. Turn on power again. Confirm that the digital multimeter reads $135.0V \pm 1.0V$.



SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

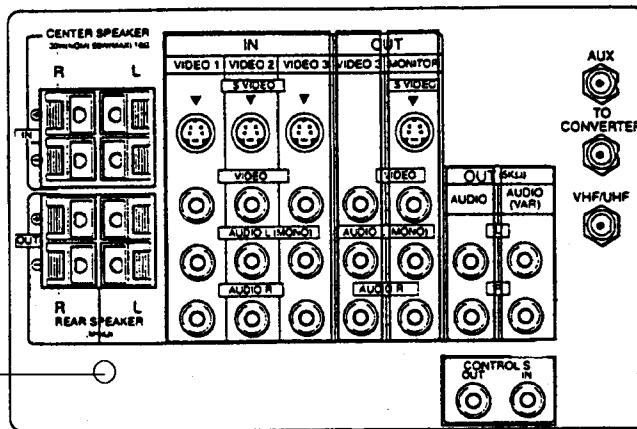
Use of Remote Commander (RM-Y114A) can be performed circuit adjustments about this model.

1. METHOD OF SETTING THE SERVICE MODE

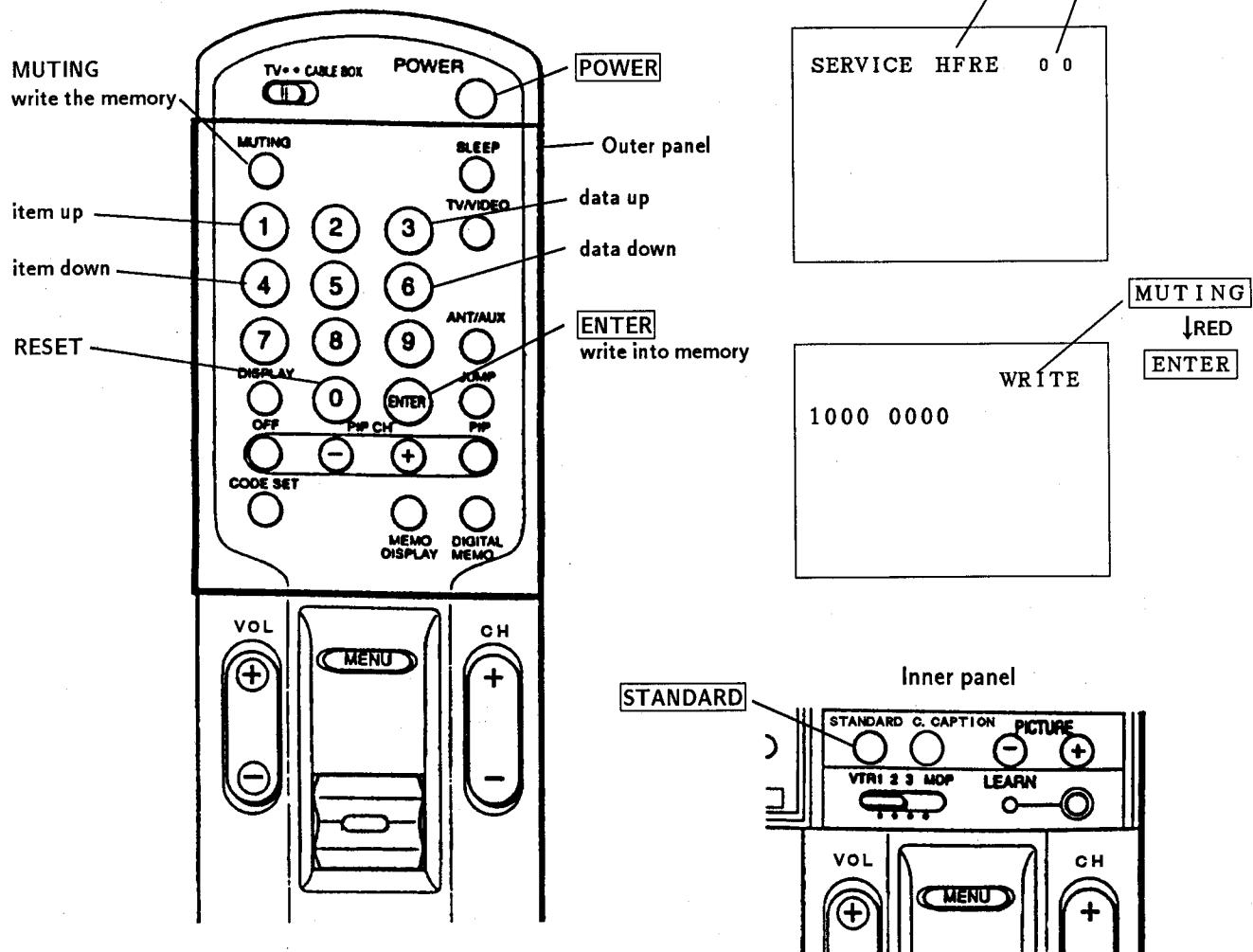
- 1) Press [POWER] button on the Remote Commander while pressing switch on the rear of the set.

NOTE : Test Equipment Required.

1. Pattern Generator
2. Frequency counter
3. Digital multimeter
4. Audio OSC



2. ADJUST BUTTONS AND INDICATOR



3. AN ITEM OF ADJUSTMENT

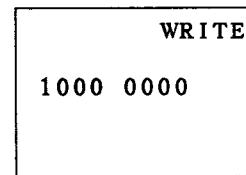
ITEM	REFERENCE DATA	NAME REGIST
AFC	0	VP AFC 1.0
HFRE	74	VP H. FREQUENCE
VFRE	16	VP V. FREQUENCE
HPOS	5	VP H. PHASE
GAMP	25	VP GREEN AMP.
BAMP	26	VP BLUE AMP.
GCUT	9	VP GREEN CUT OFF.
BCUT	6	VP BLUE CUT OFF
SPIX	40	VP PICTURE
SHUE	29	VP HUE
SCOL	28	VP COLOR
SBRT	11	VP BRIGHT
RGBP	21	VP RGB PICTURE
SHAR	13	VP SHARPNESS
DISP	21	VP OUTPUT
VSMO	0	VP VSMO
REF	1	VP REF 1.0
ROFF	1	VP OFF NR
GOFF	1	VP OFF NG
BOFF	1	VP OFF NB
ABLM	1	VP ABLM
DRGB	0	VP D RGB
TEST	0	AP T
MPX	7	AP ATT
FILO	31	AP I1
DEEM	7	AP I2
STEV	31	AP OSC 1
SAPV	31	AP OSC 2
PILO	7	AP PILOT
SEP	31	AP WIDE BAND
VD	7	AP SPECTRAL
LVOL	0	AP VOLUME-L
RVOL	0	AP VOLUME-R
BASS	10	AP BASS
TRE	8	AP TREBLE
PHPO	32	PI READ DELAY H
PVPO	8	PI READ DELAY V
PLEV	6	PI PICTURE LEVEL
PFCO	7	PI FRAME COLOR
NRLE	31	PI NR LEVEL
DSPP	43	PJ SHADON
SHAD	1	PJ RS HAD
VMSW	1	PJ SHAD CUT OFF
SCUT	16	

4. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press **POWER** button on the commander) in the next place, press **POWER** button again, hereupon it becomes TV mode.

5. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press **[1]** (UP) and **[4]** (DOWN), select an item of adjustments.
- 3) Press **MUTING** button indicate WRITE (RED) on screen.
- 4) Press **ENTER** button to write for memory.

6. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.

5-2. A BOARD ADJUSTMENTS

RF AGC ADJUSTMENT(IF BLOCK VR)

- 1) Input a color-bar signal.
- 2) Adjust AGC VR of TU 101 so that snow noise and cross-modulation disappear from the picture.
- 3) Confirm them at every channel.

H.FREQUENCY ADJUSTMENT (HFRE)

- 1) Set to Service Mode.
- 2) Input a color-bar signal.
- 3) Connect a frequency counter to pin③ of A-10 connector.
- 4) Call the item of AFC, set to 3 level (free run).
- 5) Select HFRE with **[1]** and **[4]**.
- 6) Adjust **[3]** and **[6]** to the 15735 ± 60 Hz level.
- 7) Call the item of AFC again, adjust the level "01".
- 8) Write into the memory by pressing **MUTING** → then **ENTER**.

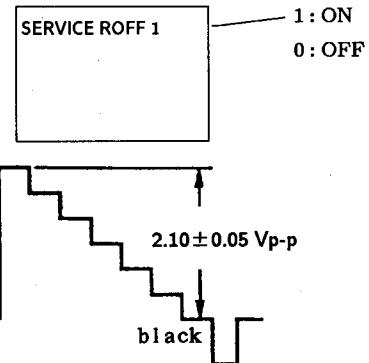
V.FREQUENCY ADJUSTMENT (VFRE)

- 1) Set the Service Mode.
- 2) Input an off-air signal (VIDEO IN → no signal).
- 3) Connect the frequency counter across connector ⑩pin of E 1-1 connector and ground.
- 4) Select VFRE with **[1]** and **[4]**.
- 5) Adjust **[3]** and **[6]** to the 56 ± 0.5 Hz.
- 6) Write the memory by pressing **MUTING** → then **ENTER**.

SUB CONTRAST ADJUSTMENT (SPIX)

- 1) Set to Service Mode.
- 2) Input a color-bar signal. (75 IRE)
- 3) Set the conditions as follows.

PICTURE	..... MAX
COLOR	..... MIN
BRIGHTNESS	..... MIN
TRINITONE	..... LOW
R OFF	..... ON
G OFF	..... OFF
B OFF	..... OFF

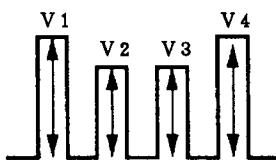


- 4) Connect an oscilloscope to ⑩pin of E1-1 connector on A board and ground.
- 5) Adjust **[3]** and **[6]** to the 2.10 ± 0.05 Vp-p level by selecting SPIX with **[1]** and **[4]**.
- 6) Write the memory by pressing **MUTING** → then **ENTER**.
- 7) Return the following back to normal after adjustment.

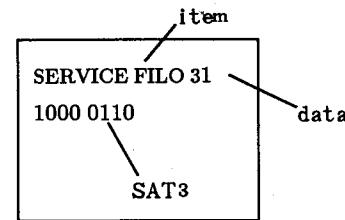
G OFF	..... ON
B OFF	..... ON
COLOR	..... CENTER
BRIGHTNESS	..... CENTER
TRINITONE	..... HIGH
PICTURE	..... 80%

SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

- 1) Input a color-bar signal.
- 2) Press **STANDARD** to normal.
- 3) Set to Service Mode.
- 4) Connect an oscilloscope to pin② of E1-1 connector on A board and ground.
- 5) Adjust ③ and ④ to the V1=V4 and V2=V3 by select to SHUE and SCOL with ① and ④. Lower the data 4 steps from this point.



- 4) Make the data "00" by selecting FILO with ① and ④. And then, send up the data gradually by pressing ⑥. Set the data to D1 before SAT3 changing to 1 from 0.
- 5) Send up the data gradually. Set data D2 when SAT3 changes 0 from 1.
- 6) Adjust the data of FILO to $\frac{D_1 + D_2}{2}$.
- 7) Write into the memory by pressing **MUTING** → then **ENTER**.

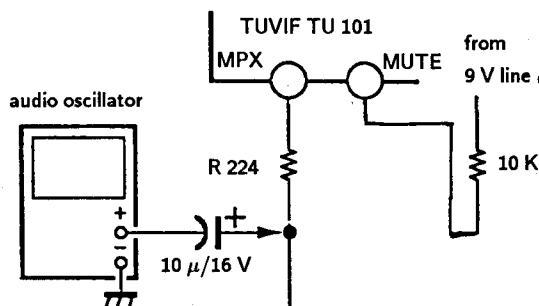


- 6) Write into the memory by pressing **MUTING** → then **ST VCO ADJUSTMENT (MPX, STEV)**
ENTER.

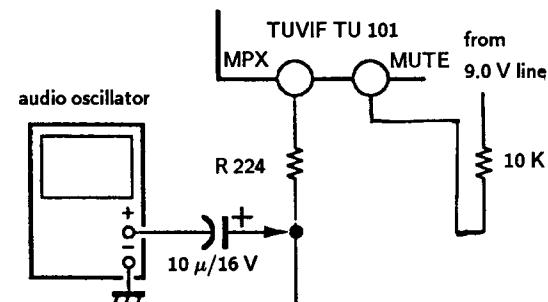
FILTER ADJUSTMENT (MPX, FILO)

- 1) Set to Service Mode.
- 2) Select to **TEST** with ① and ④, set the data to "1". Then select MPX and change data to "8".
- 3) Connect an audio oscillator to R 224 using a capacitor (10μF/16V), set frequency to 62.936 kHz ± 0.1 kHz.

And then, through the 10kΩ resistor, feed 9.0V into the mute of TUVIF TU 101.

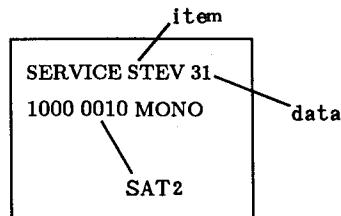


V 4 fh : SINE-WAVE 62.936 KHz ± 0.1 KHz
LEVEL 3.0 Vp-p



Vfh : SINE-WAVE 15.734 KHz ± 0.1 KHz
LEVEL 0.28 Vp-p

- 5) Select STEV with **[1]** and **[4]**, set the data to "00" with **[6]**. And then, send up the data gradually. Set the data to D1 before SAT2 changes from 0 to 1.
- 6) Send up data gradually, set the data to D2 when SAT2 changes 1 from 0.
- 7) Adjust the data of STEV to $(D1+D2)/2$.
- 8) Write into the memory by pressing **MUTING** → then **ENTER**.



SEPARATION ADJUSTMENT (SEP)

- 1) Set to Service Mode.
- 2) Press **MTS** to MAIN and receive a monoral broadcast signal.
- In the next step, receive a stereo broadcast signal.
- 3) Select SEP and VD with **[1]** and **[4]**, adjust **[3]** and **[6]** so that a clear stereo sound is effected.

MPX IN LEVEL ADJUSTMENT (MPX)

- 1) Set to Service Mode.
- 2) Select TEST with **[1]** and **[4]**, set the data to "0" with **[6]**. And then press **MTS** to MONO.
- 3) Select MPX with **[1]** and **[4]**, set the data to "8" with **[3]** and **[6]**.
- 4) Write into the memory by pressing **MUTING** → then **ENTER**.

PILOT CANCEL ADJUSTMENT (PILO)

- 1) Set to the Service Mode.
- 2) Select PILO with **[1]** and **[4]**, set the data to "8" with **[3]** and **[6]**.
- 3) Write into the memory by pressing **MUTING** → then **ENTER**.

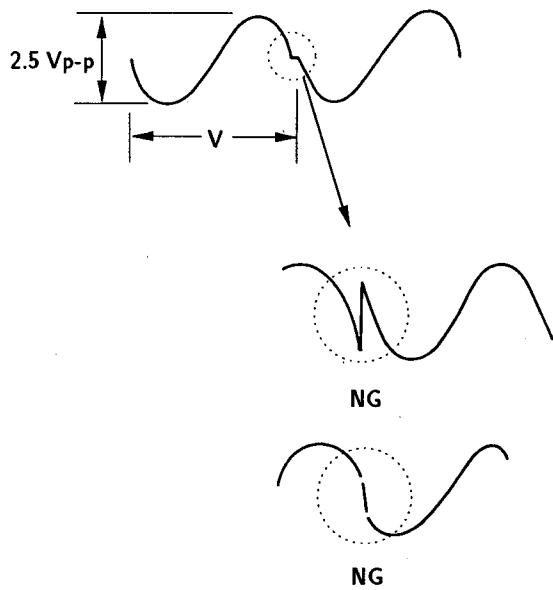
SAP VCO f₀ ADJUSTMENT (SAPV)

- 1) Set to Service Mode.
- 2) Input a stereo broadcast signal with SAP.
- 3) Select TEST with **[1]** and **[4]**, set the data to "0". And then, press **MTS** to MAIN.
- 4) Connect a digital multimeter to TP-1(DBX). This voltage reading will equal V 1.
- 5) Press MTS to SAP and this voltage will equal V 2.
- 6) Select SAPV with **[1]** and **[4]**, adjust **[3]** and **[6]** so that $V2 = V1 \pm 0.03$ VDC.
- 7) Write the memory by **MUTING** → **ENTER**.

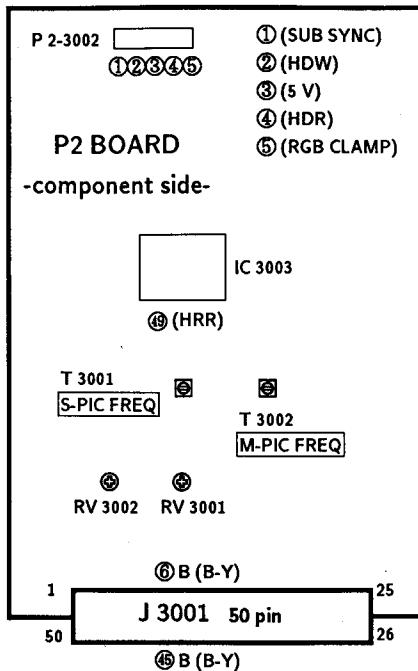
5-3. DS BOARD ADJUSTMENTS

V. 3 WAVE ADJUSTMENT (RV983)

- 1) Input a color-bar signal.
- 2) Connect an oscilloscope IC1712 Pin⑦ of DS board ground.
- 3) Adjust RV983 as shown the following figure.



5-4. P2 BOARD ADJUSTMENTS



MAIN-PICTURE FREQUENCY (T 3002)

- 1) Set PIP mode.
- 2) Connect a frequency counter to Pin 11 (HDW) of J 3001.
- 3) Connect a frequency counter to Pin ④9 or ⑤0 (HRR) of IC 3003 or Pin 5 (RGB CLAMP) of P 2-3002.
- 4) Short the circuit between Pin 4 (HDR) of P 2-3002 and Pin 3 (5 V) of P 2-3002.
- 5) Turn T 3002 CLK (P) for the following frequency at Pin ④9 or ⑤0 (HRR) of IC 3003 or at Pin 5 (RGB CLAMP) of P 2-3002.

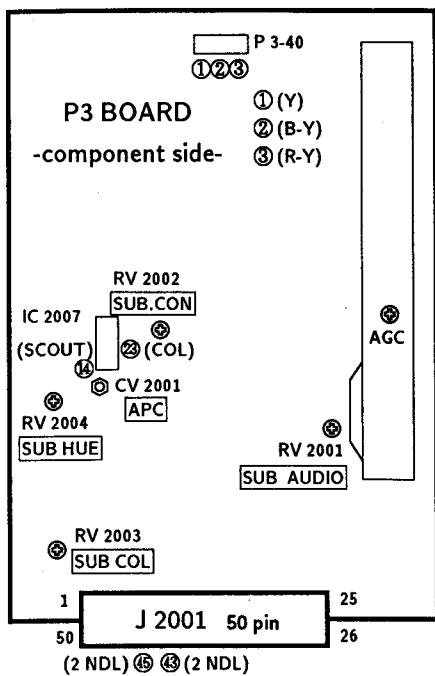
$15.734 \text{ kHz} \pm 10 \text{ Hz}$

SUB-PICTURE FREQUENCY (T 3001)

- 1) Set PIP mode.
- 2) Connect a frequency counter to Pin 11 (HDW) of J 3001.
- 3) Connect a frequency counter to Pin ④9 or ⑤0 (HRR) of IC 3003 or Pin 5 (RGB CLAMP) of P 2-3002.
- 4) Short the circuit between Pin 1 (SUB SYNC) of P 2-3002 and Pin 3 (5 V) of P 2-3002.
- 5) Turn T 3001 CLK (C) for the following frequency at Pin 2 (HDW) of P 2-3002.

$15.734 \text{ kHz} \pm 10 \text{ Hz}$

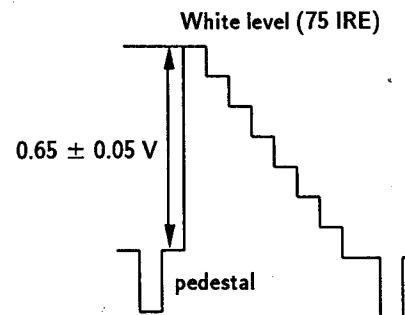
5-5. P3 BOARD ADJUSTMENTS



SUB CONT ADJUSTMENT (RV2002)

- 1) Obtain the color bar signal on the sub-screen.
- 2) Obsene at Pin 1 (Y OUT) of P3-42 on an oscilloscope.
Odujust RV2002 for the following lenel between the white level and pedestal one.

0.65 ± 0.05 Vp-p



SUB COLOR ADJUSTMENT (RV 2003)

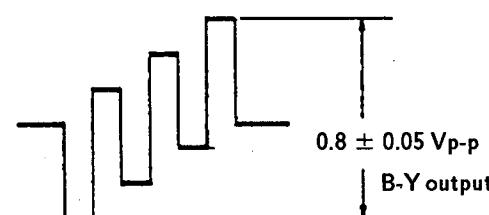
- 1) Obtain the color bar signal on the sub-screen in the mode of PIP size 1/4.
- 2) Reset color.
- 3) Adjust RV 2003 for the following level, obseruing an oscilloscope connected to Pin 2 (B-Y) of P3-40 (Fig. 1)

0.8 ± 0.05 Vp-p (B-Y)

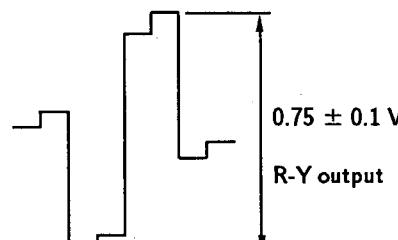
- 4) Adjust RV 2003 for the following level, obseruing an oscilloscope connected to Pin 3 (R-Y) of P3-40 (Fig. 2)

0.75 ± 0.1 Vp-p (R-Y)

- 5) Adjust traxking between sub color and sub hue.



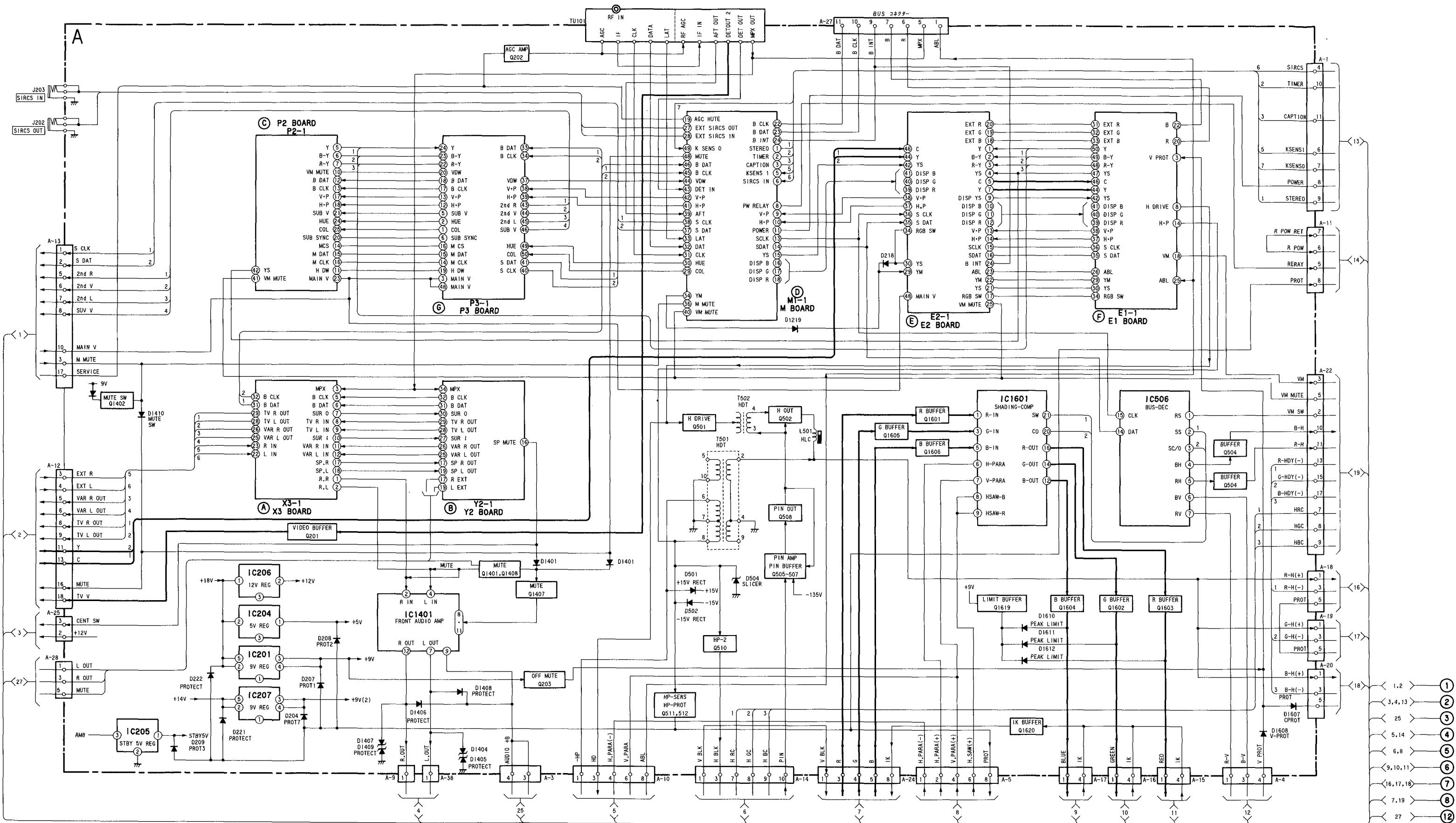
(Fig. 1)

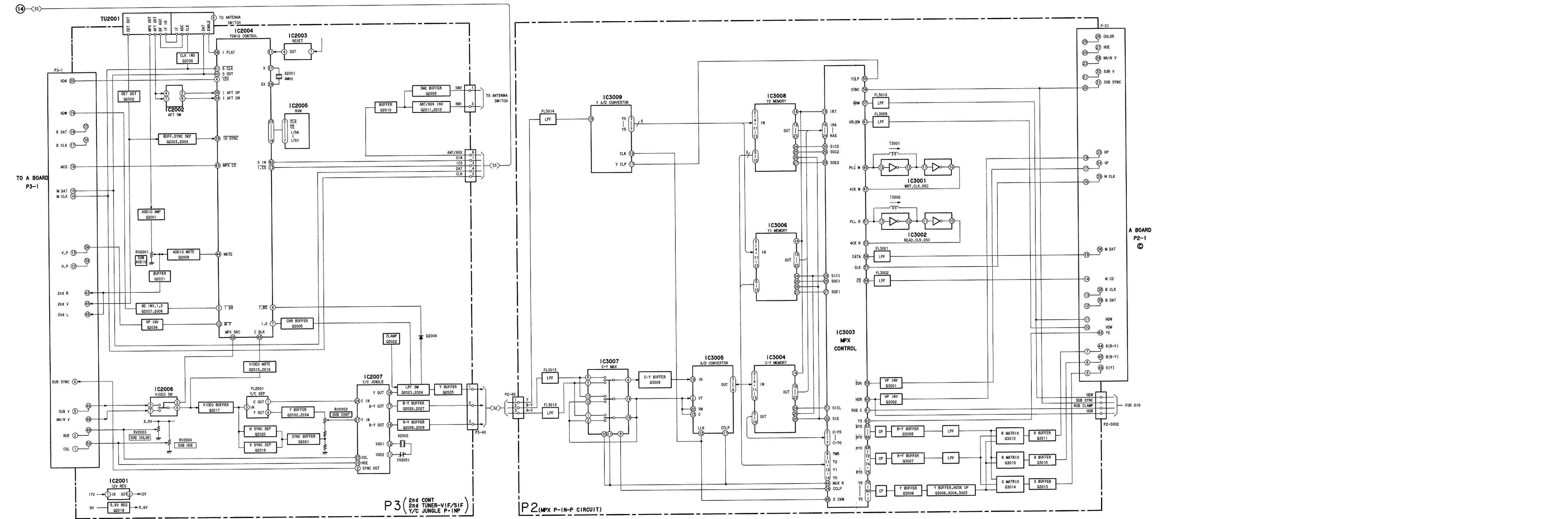


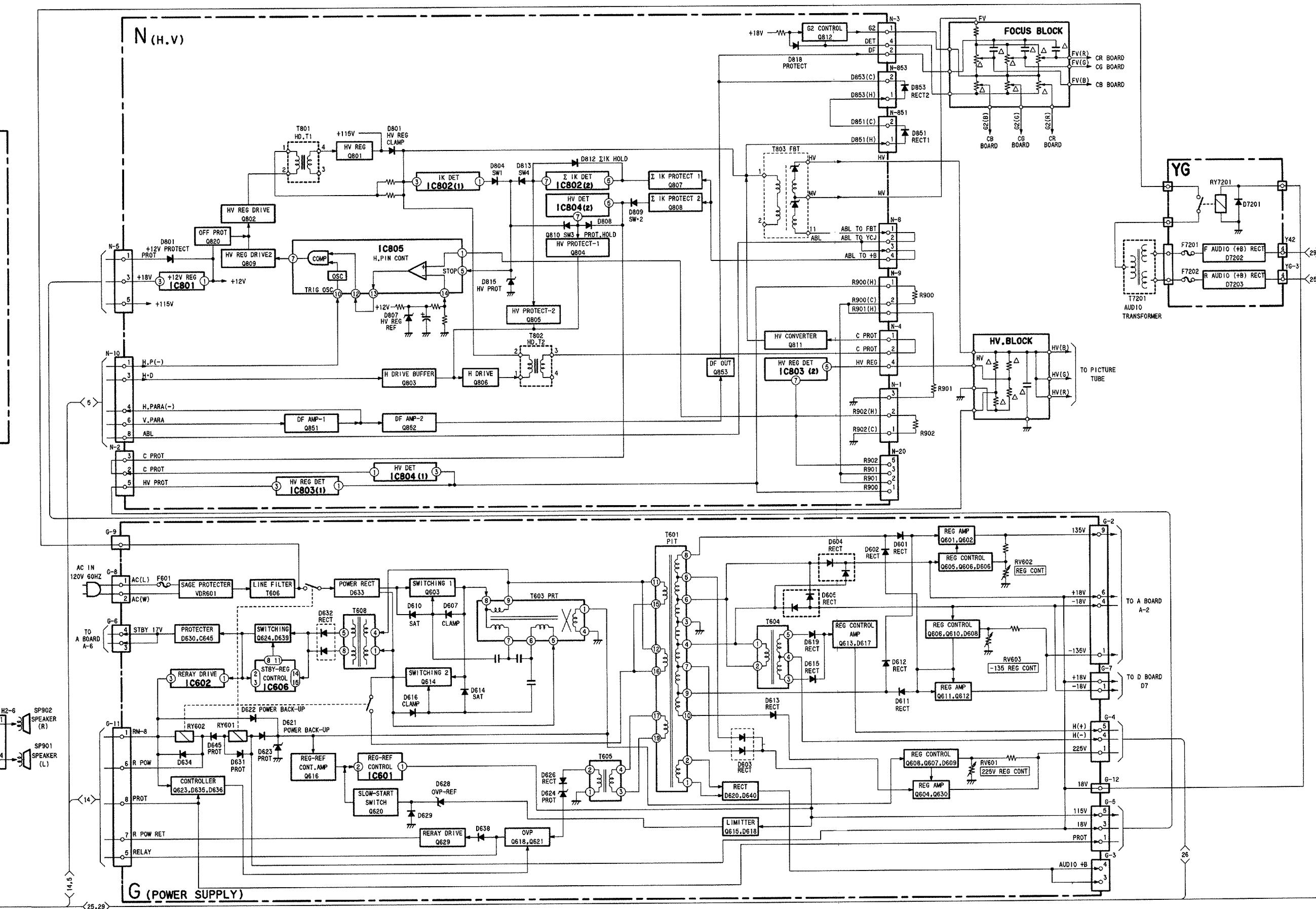
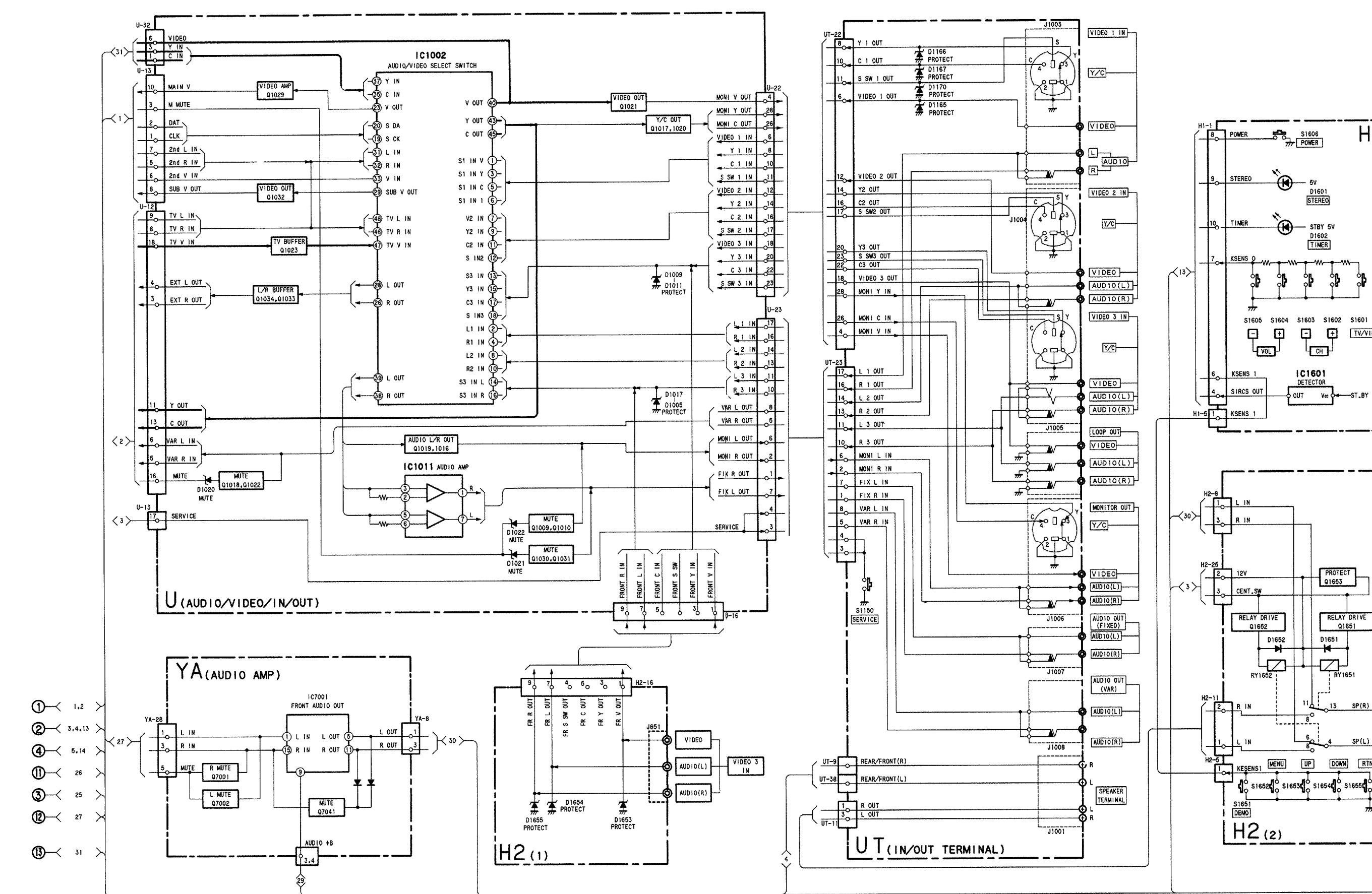
(Fig. 2)

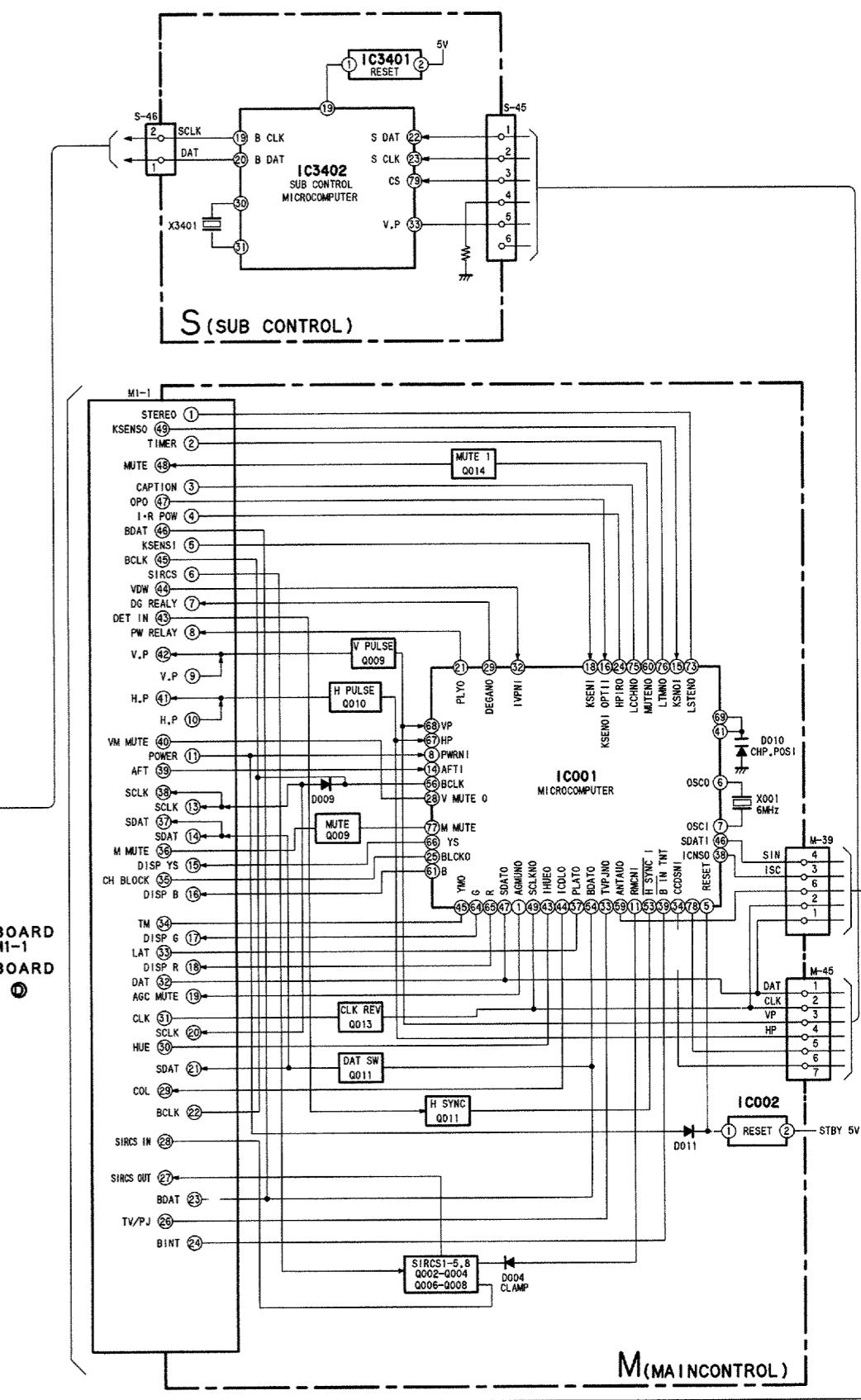
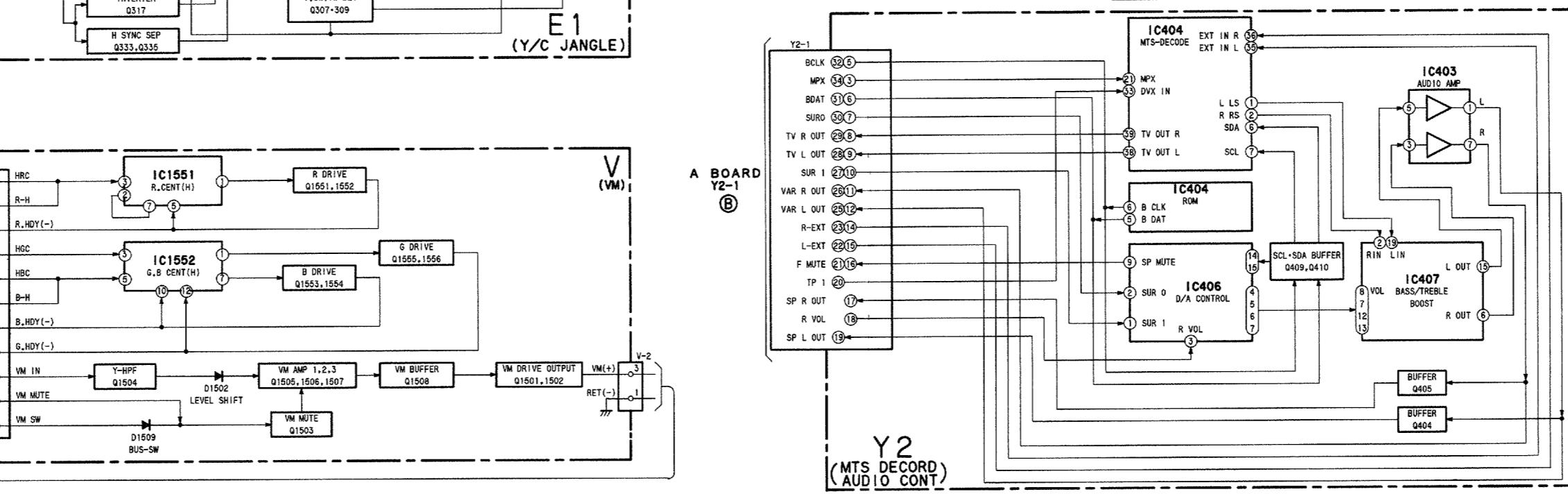
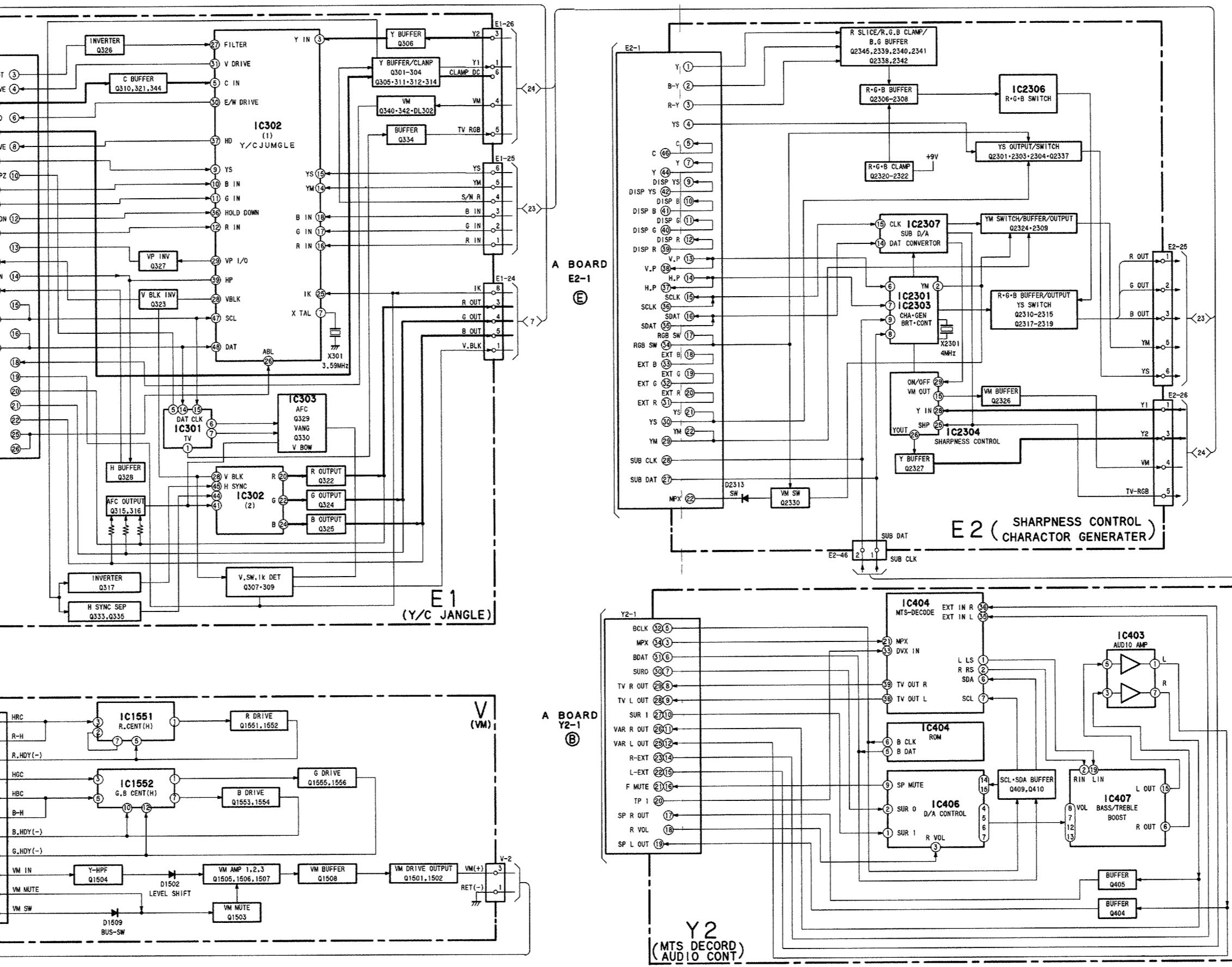
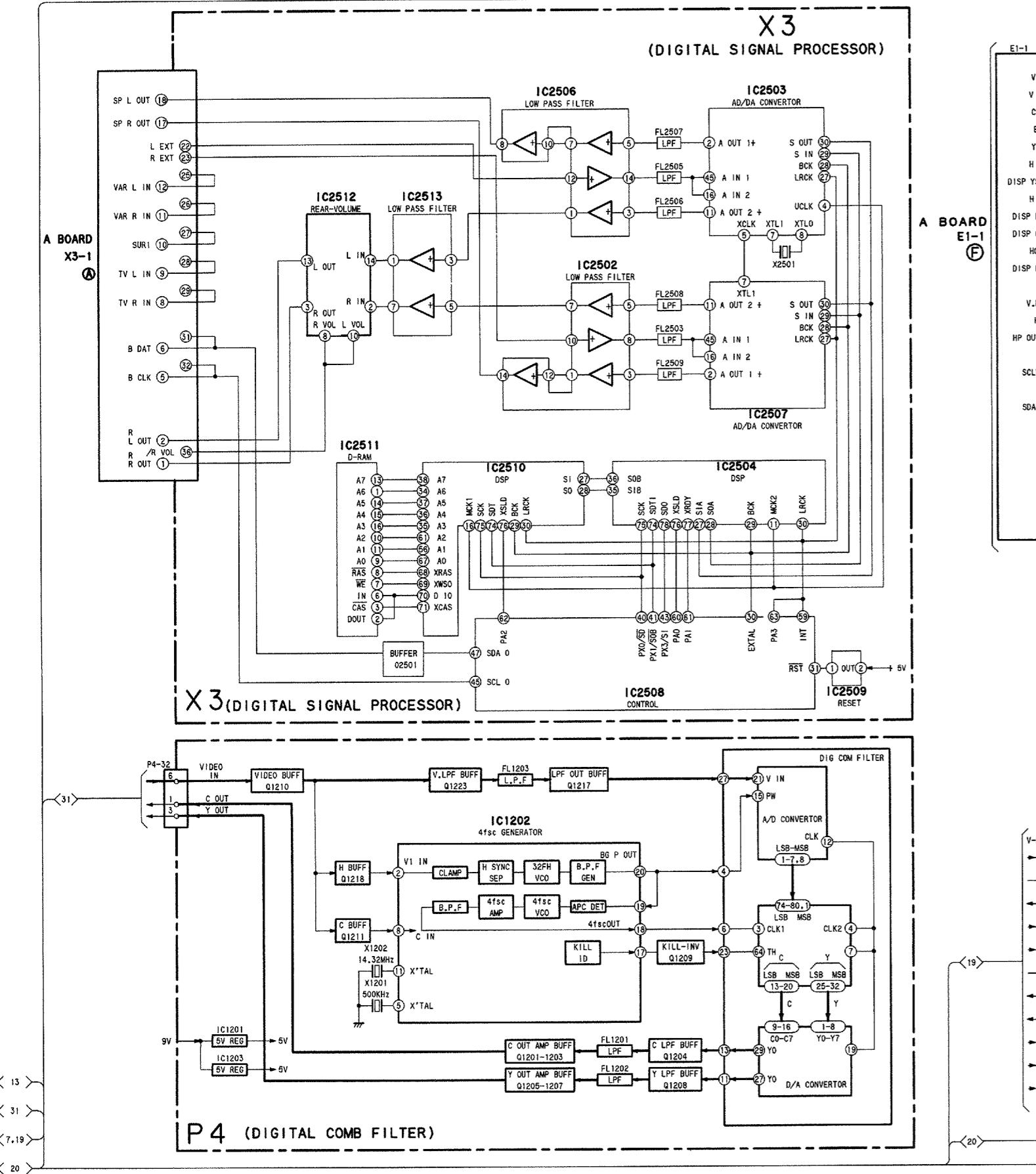
SECTION 6 DIAGRAMS

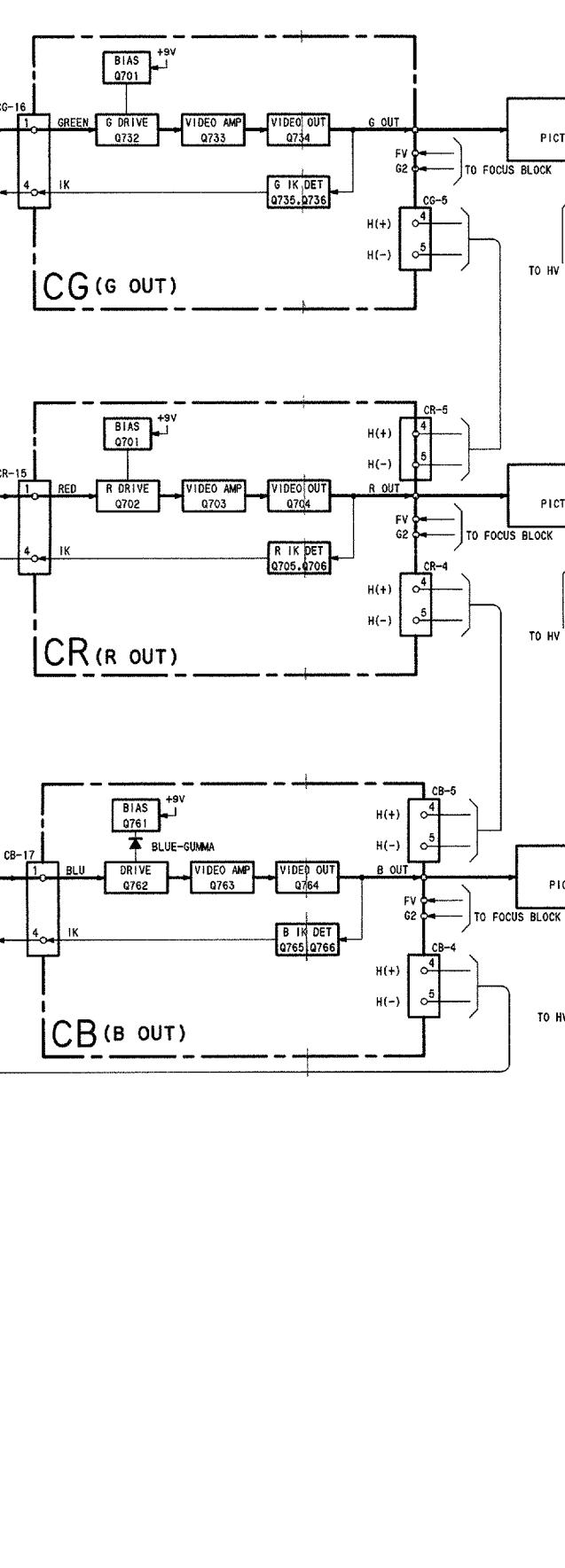
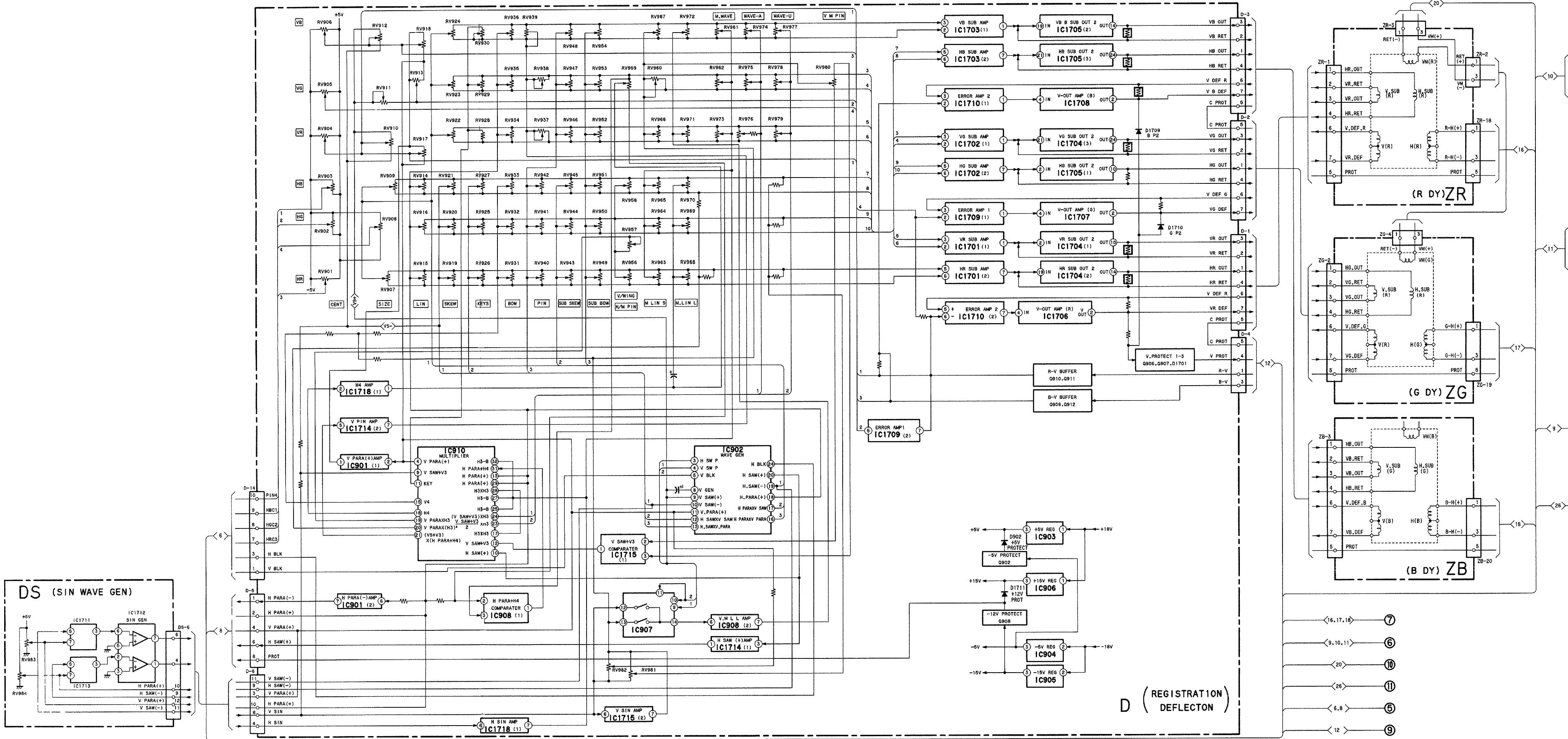
6-1. BLOCK DIAGRAMS



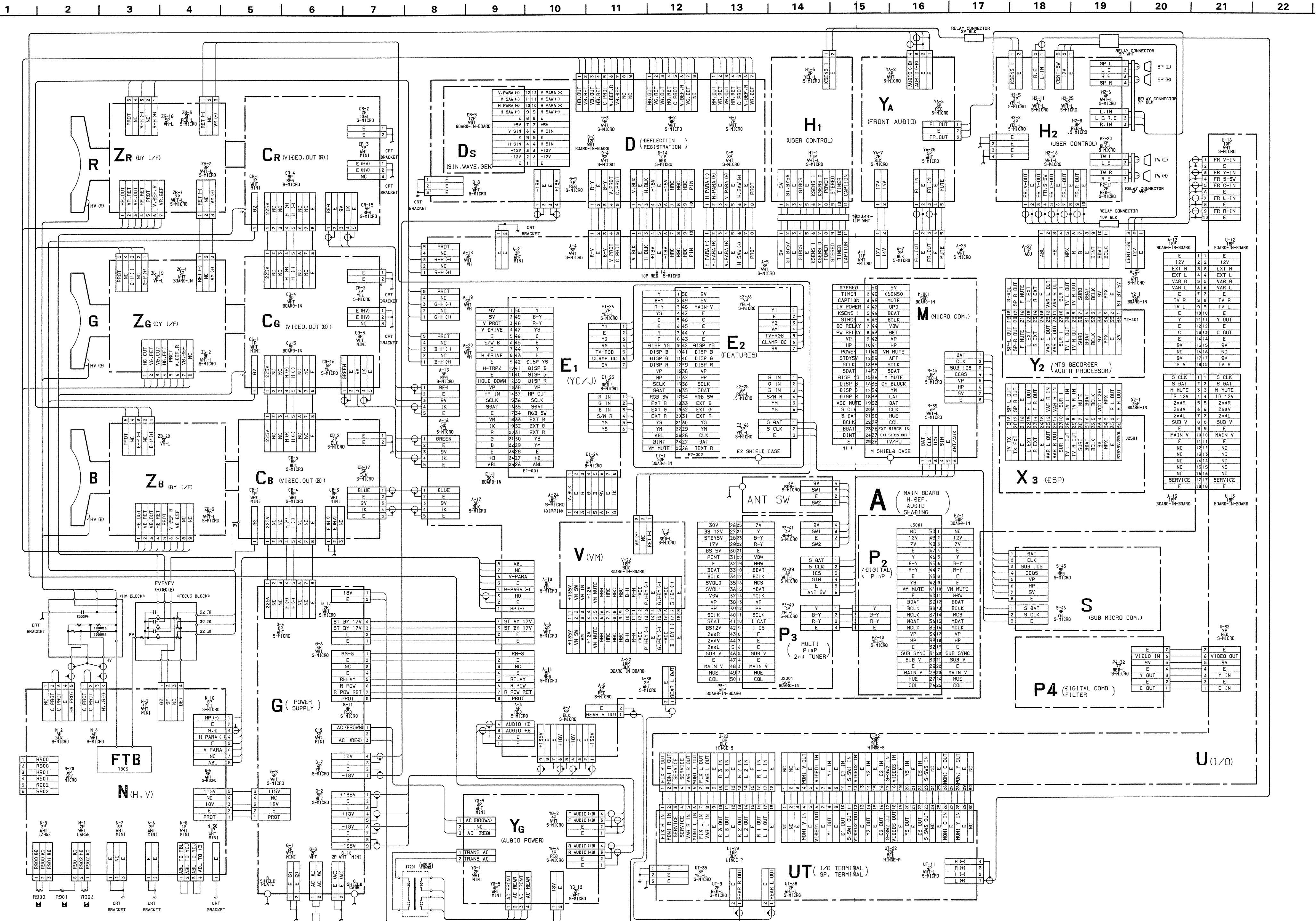




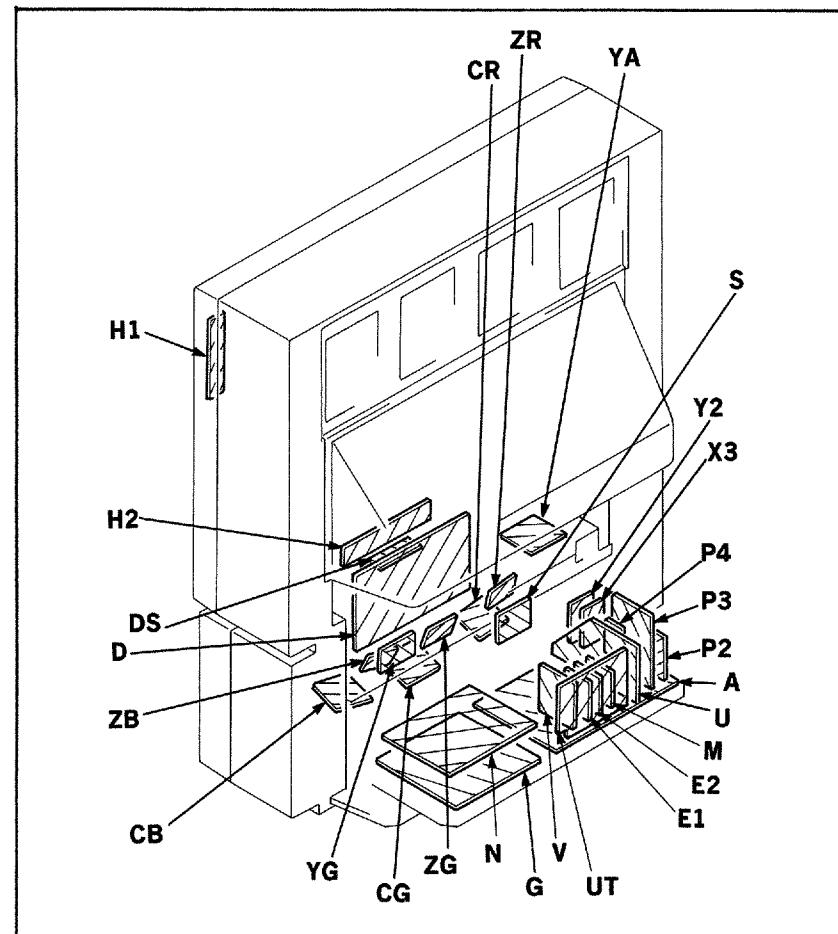




6-2. FRAME SCHEMATIC DIAGRAM



6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND WIRING BOARDS

- All capacitors are in μF unless otherwise noted. pF: μF 50W or less are not indicated except for electrolytic and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
- KΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

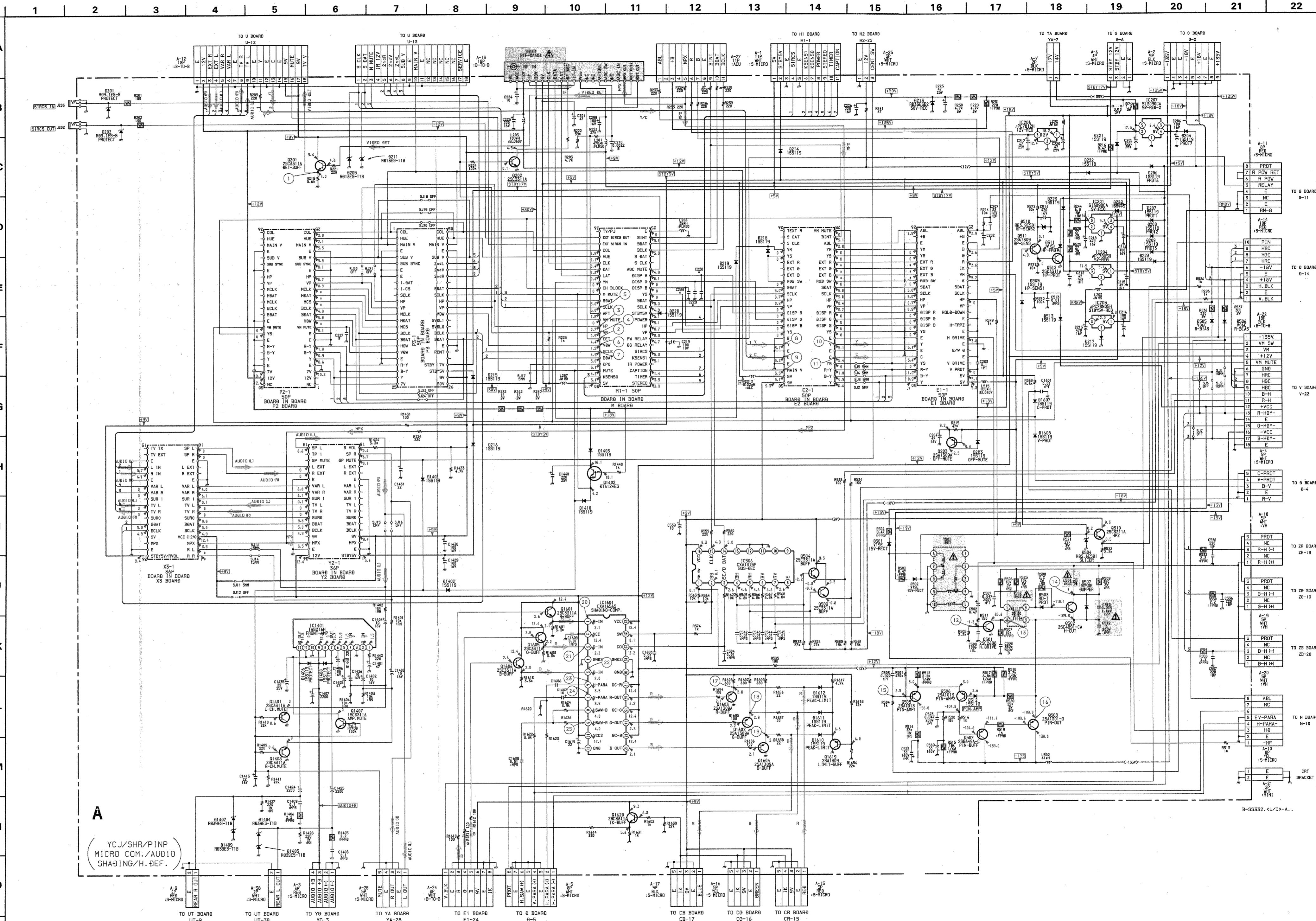
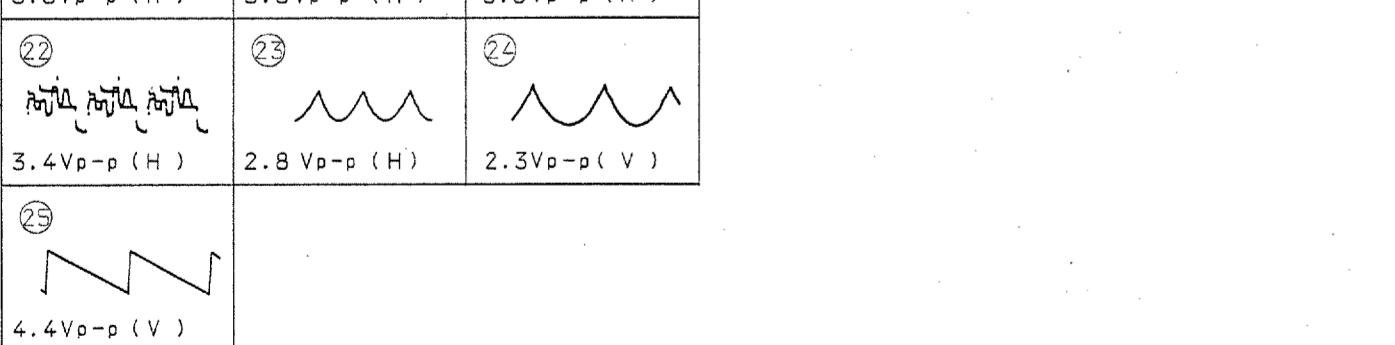
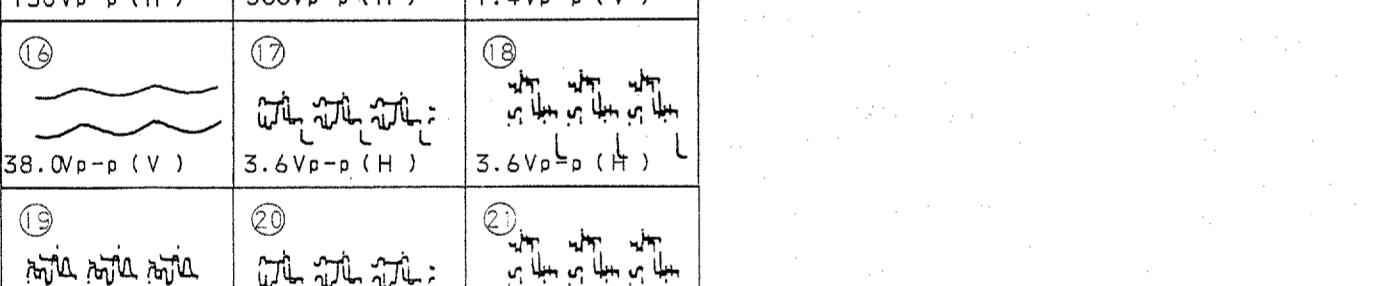
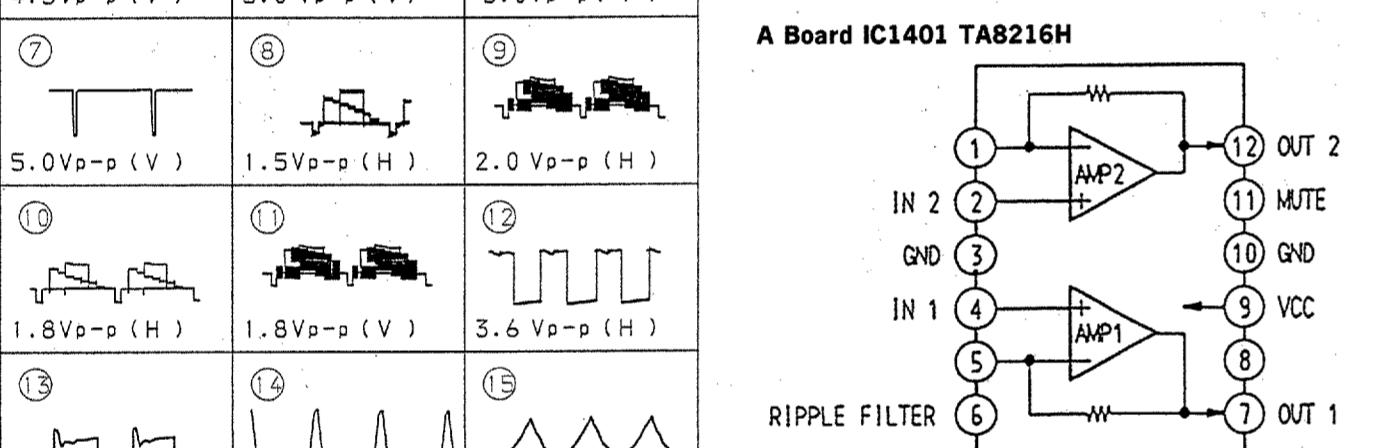
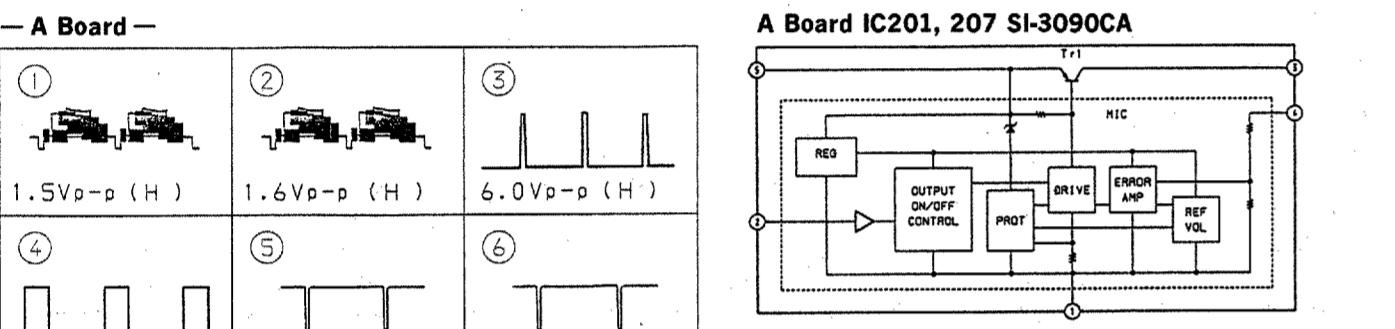
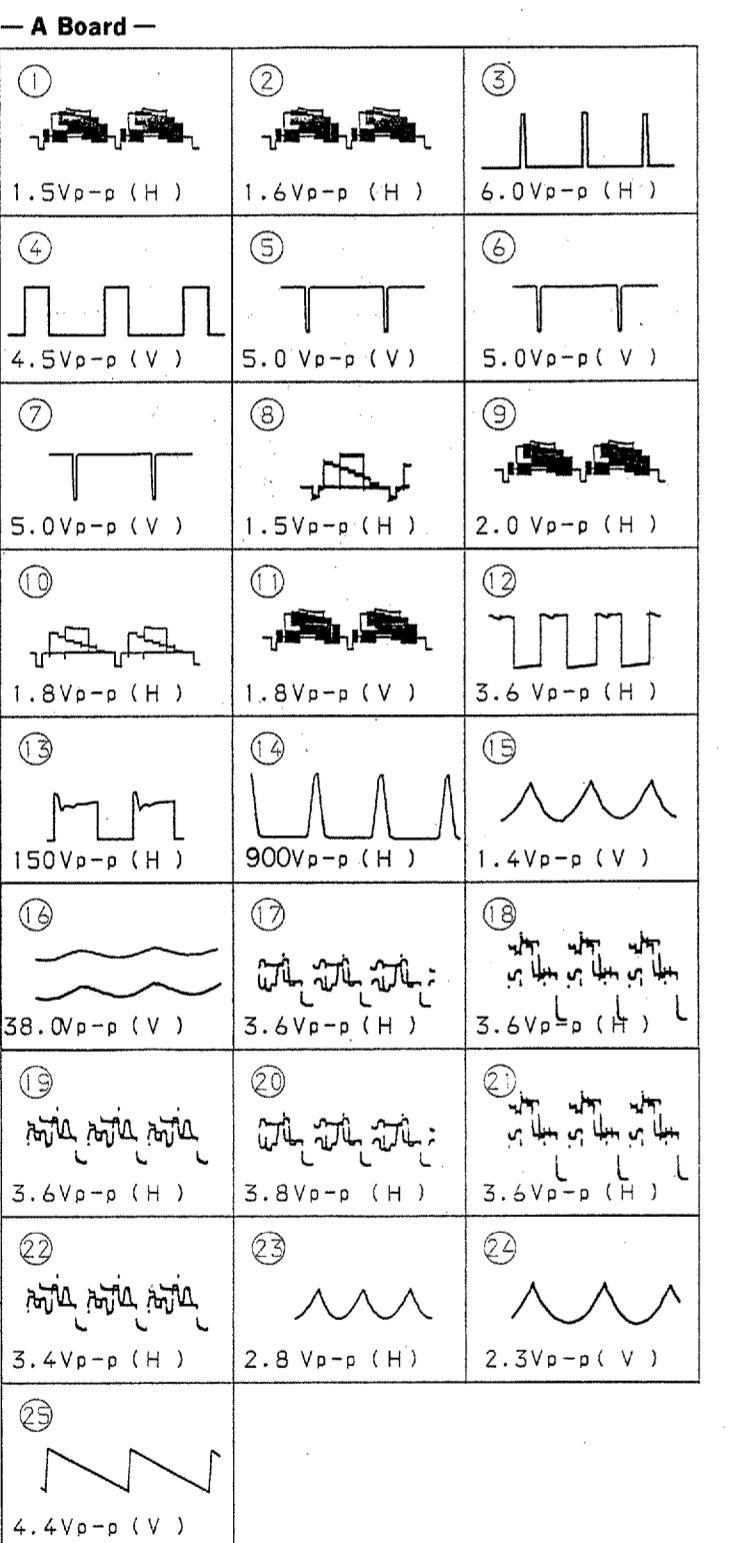
Pitch: 5 mm
Rating electrical power 1/4W

- Chips resistors are 1/10W.
- --- : nonflammable resistor.
- \triangle : internal component.
- \square : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- \perp : earth-ground.
- \parallel : earth-chassis.
- The components identified by \blacktriangle in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by \blacktriangle mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by \blacktriangle and repeat the adjustment until the specified value is achieved.
- (Refer to R652, R852, R900, R901, and R902 adjustment on page 59-62)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (\blacktriangle)	Adjustment (\blacktriangle)
HV Block IC803, IC805, D805, D807, C817, C818, C821, C836, R837, R824, R825, R827, R828, R834, R835, R836, R864, R865, R866, R902	N Board HV Regulator (R902)
HV Block IC803, IC804, Q804, D806, D808, C809, C819, C820, C822, C823, C850, R807, R829, R826, R832, R833, R837, R838, R839, R840, R841, R892, R893, R900, R901	N Board HV Hold down (R900, R901)
Q618, Q621, D628, C634, R639, R649, R652, R655, R656	G Board OVP (R652)
① IC802, Q805, Q807, D811, D812, C810, C824, C825, C826, C827, C831, R810, R843, R844, R847, R848, R849, R850, R851, R852, R853, R854, R881	N Board Beme current protector ① R852 ② R852
② IC804, Q808, D808, D809, C809, C828, C829, C830, C831, R807, R839, R840, R841, R847, R848, R849, R850, R851, R852, R855, R856, R857, R881	N Board

Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque \triangle sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.



A

[YCJ/SRH/PINP, MICRO COM/AUDIO, SHADING/H. DEF.]

— A Board —

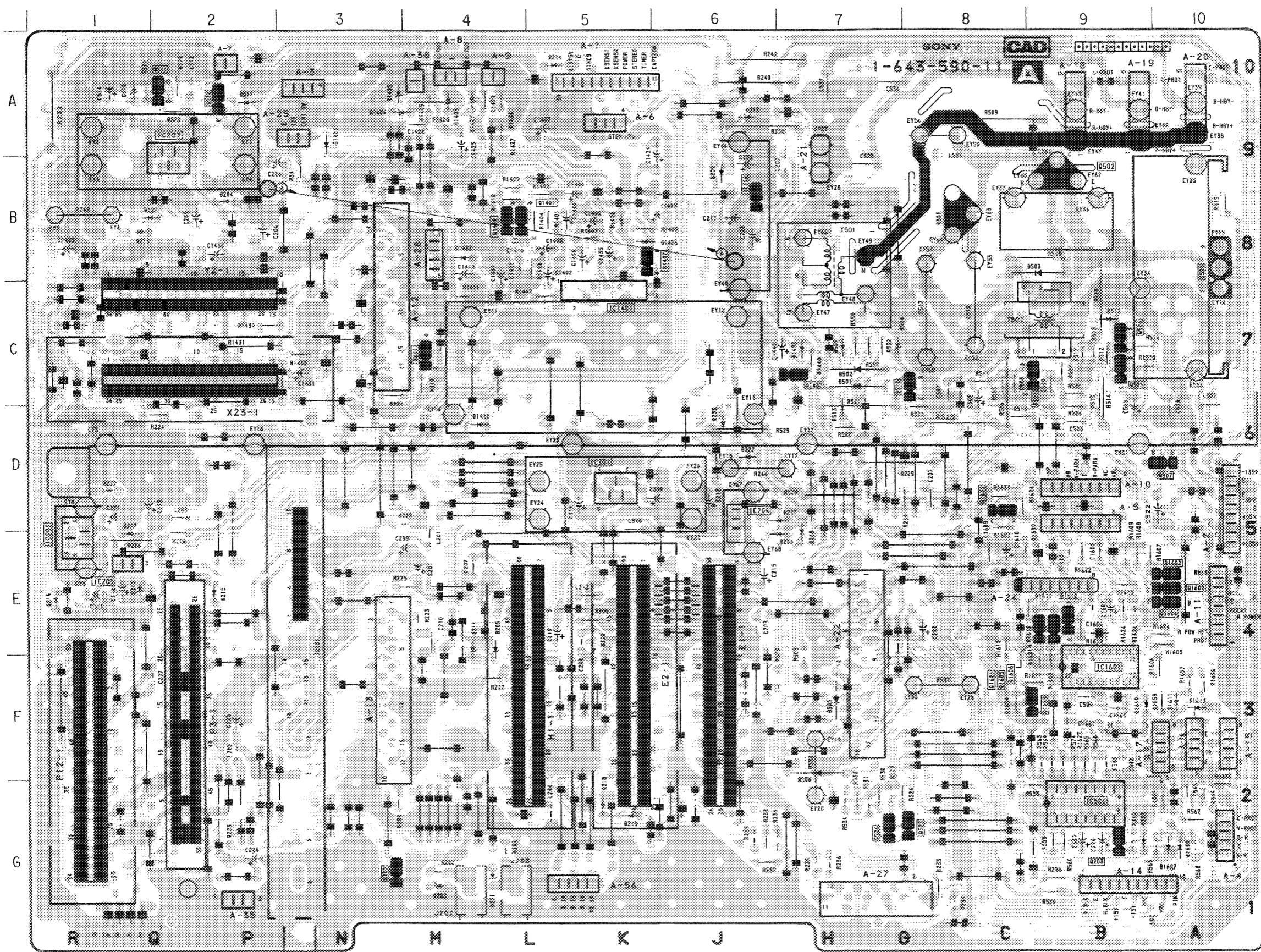
IC
IC201 D-5
IC204 D-6
IC205 E-1
IC206 B-6
IC207 A-2
IC506 G-9
IC1401 C-5
IC1601 F-9

TRANSISTOR

Q201 C-4
Q202 G-3
Q203 G-9
Q501 C-9
Q502 B-9
Q504 G-7
Q505 C-9
Q506 C-9
Q507 D-10
Q508 B-10
Q509 G-8
Q510 C-8
Q511 A-2
Q512 A-2
Q1401 B-4
Q1402 C-7
Q1407 B-5
Q1408 B-4
Q1601 E-9
Q1602 E-10
Q1603 E-10
Q1604 E-10
Q1605 E-9
Q1606 E-9
Q1619 F-9
Q1620 D-8

DIODE

D203 G-9
D204 B-2
D205 E-4
D206 E-7
D207 D-7
D208 E-7
D209 B-6
D211 E-4
D213 A-6
D214 A-5
D215 E-2
D216 E-1
D217 E-1
D218 G-5
D219 G-5
D220 E-5
D501 C-7
D502 C-7
D503 B-9
D504 C-7
D505 F-7
D506 F-7
D507 B-8
D509 C-7
D510 A-1
D511 A-2
D512 C-9
D513 D-7
D1401 A-3
D1402 B-4
D1403 C-7
D1404 A-4
D1405 A-3
D1406 B-5
D1407 A-4
D1408 B-5
D1409 A-4
D1410 D-4
D1607 G-10
D1608 G-10
D1610 F-9
D1611 F-10
D1612 F-10

— A Board —

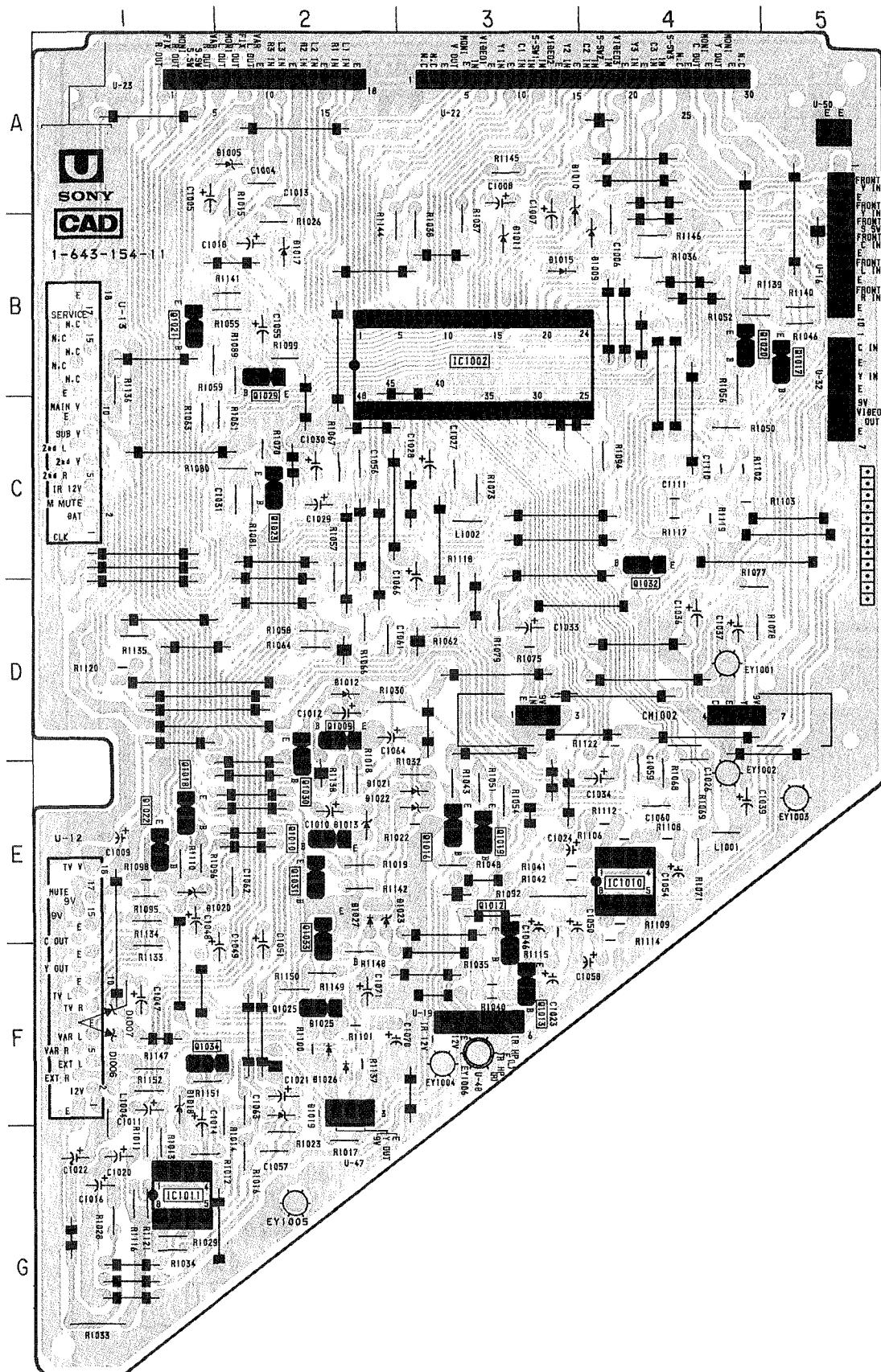


[AUDIO IN/OUT, VIDEO IN/OUT]

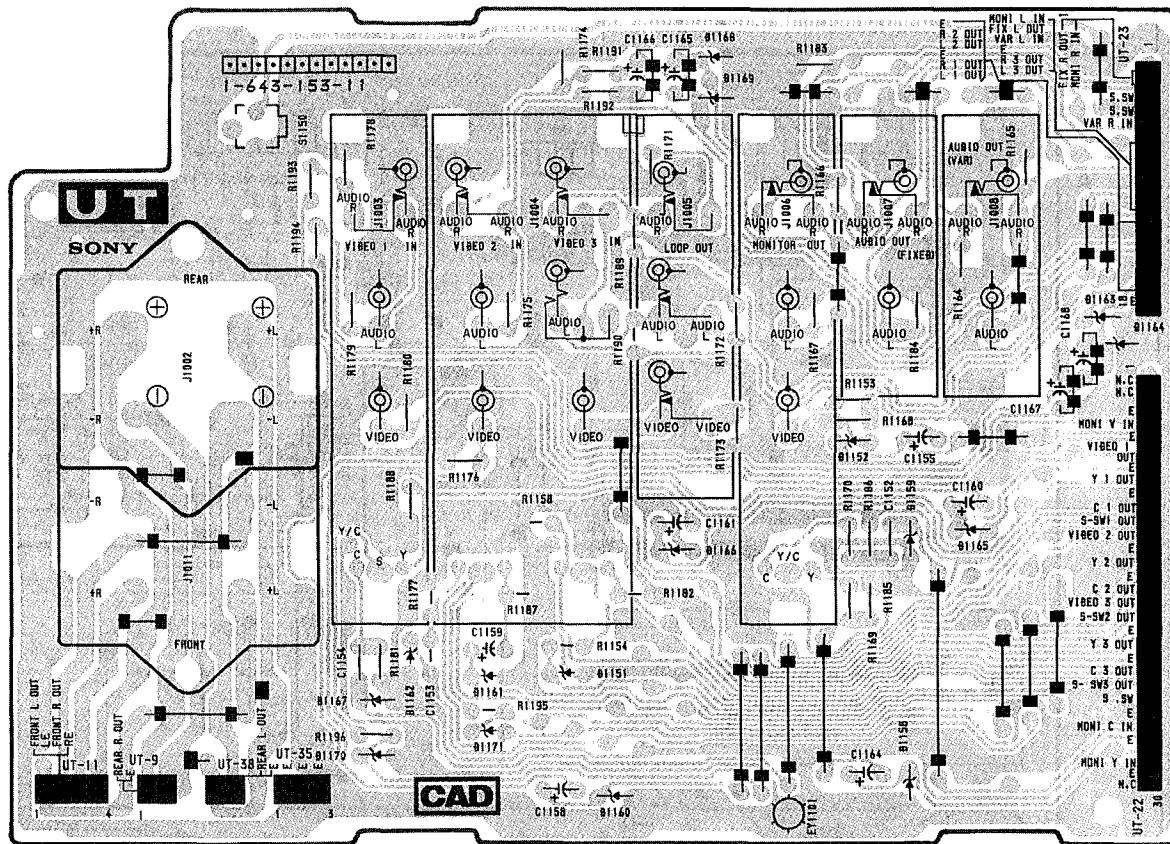
— U Board —

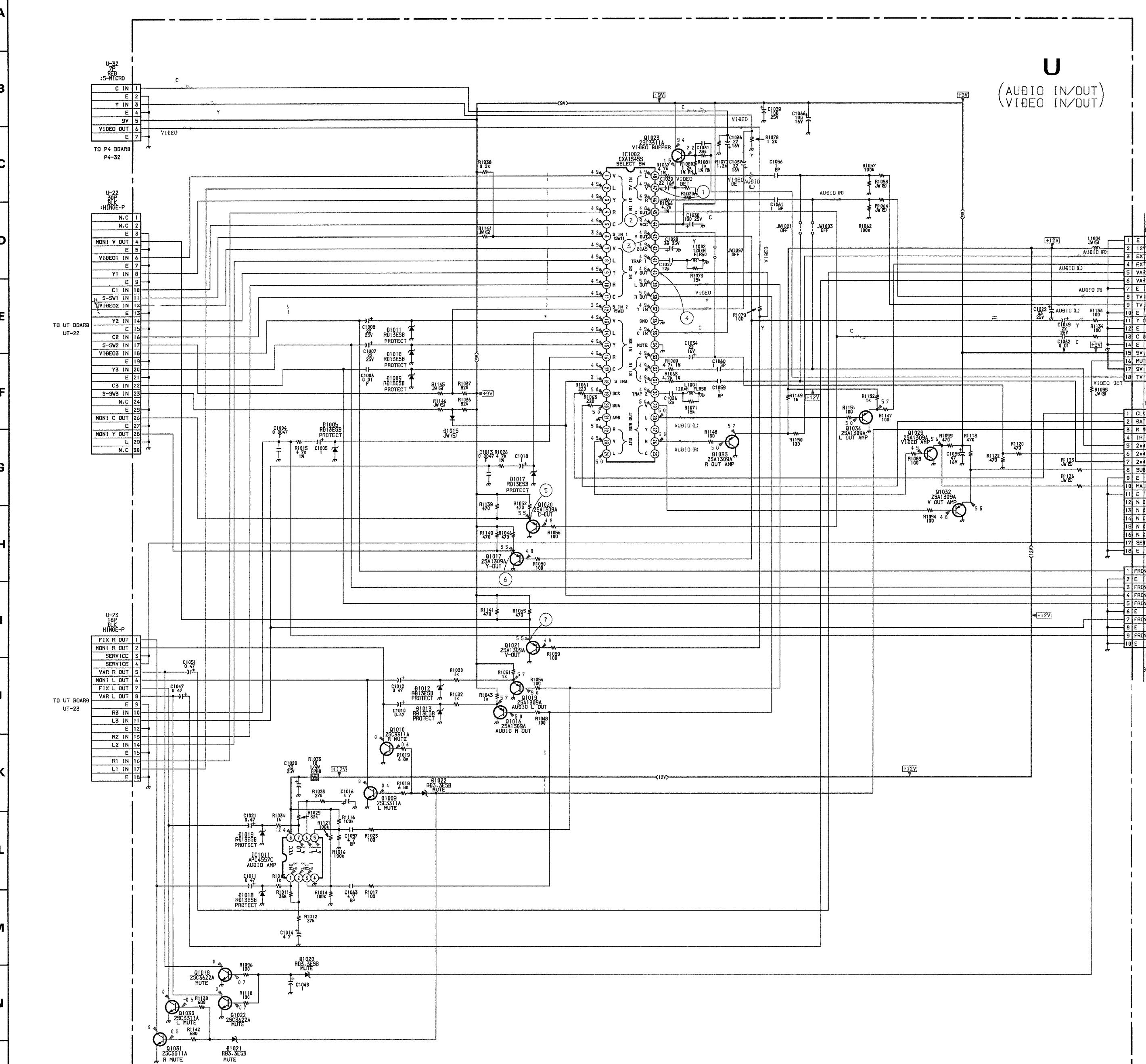
IC	
IC1002	B 3
IC1011	G 1
TRANSISTOR	
Q1009	D 2
Q1010	E 2
Q1016	E 3
Q1017	B 5
Q1018	E-1
Q1019	E-3
Q1020	B 4
Q1021	B 1
Q1022	E 1
Q1023	C 2
Q1029	B 2
Q1030	E 2
Q1031	E 2
Q1032	C 4
Q1033	E 2
Q1034	F-1
DIODE	
D1005	A 2
D1009	B 4
D1010	A 3
D1011	A-3
D1012	D 2
D1013	E 2
D1015	B 2
D1017	B 2
D1018	F 1
D1019	F 2
D1020	E-1
D1021	E-3
D1022	E 3

— U Board —

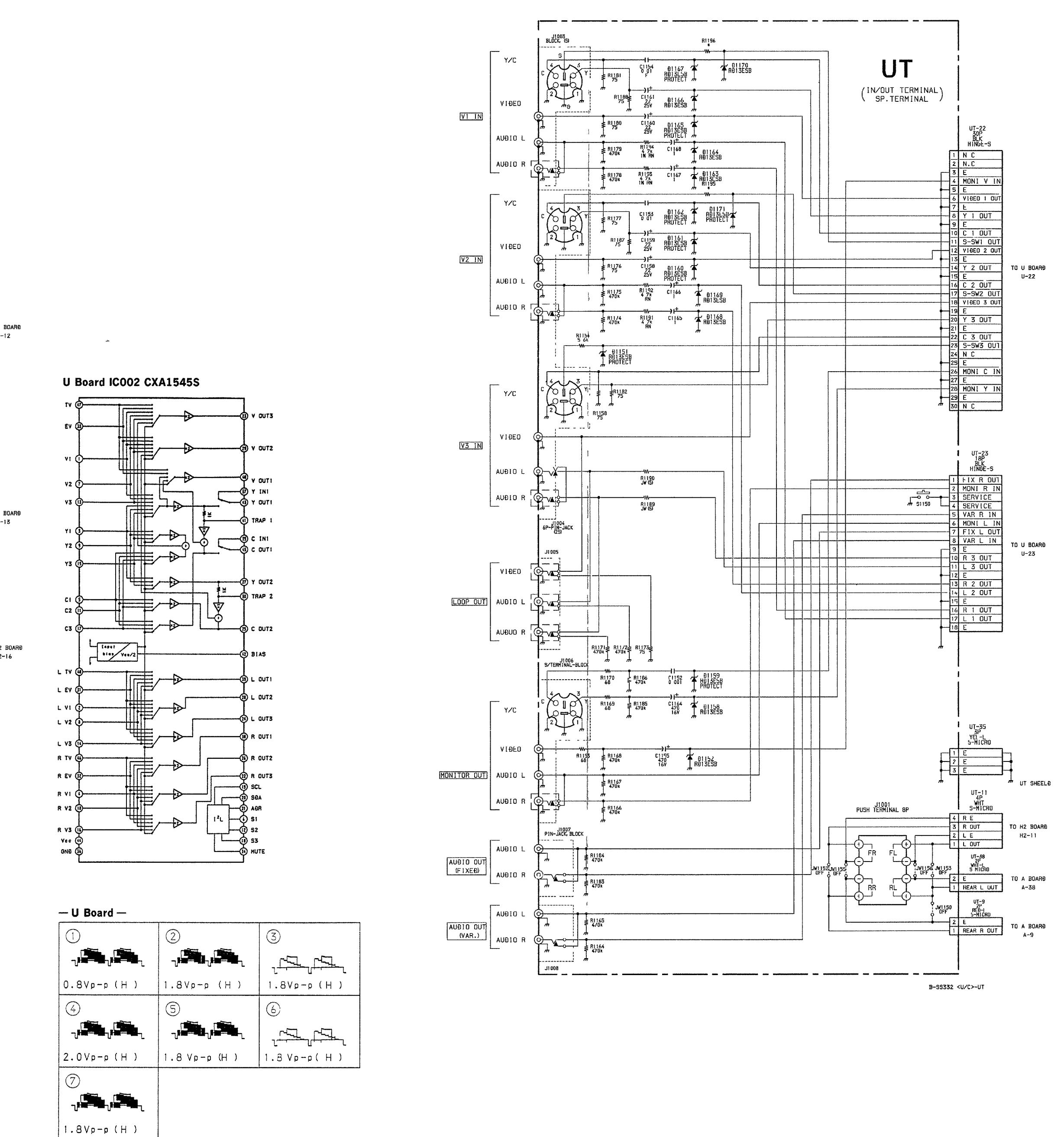


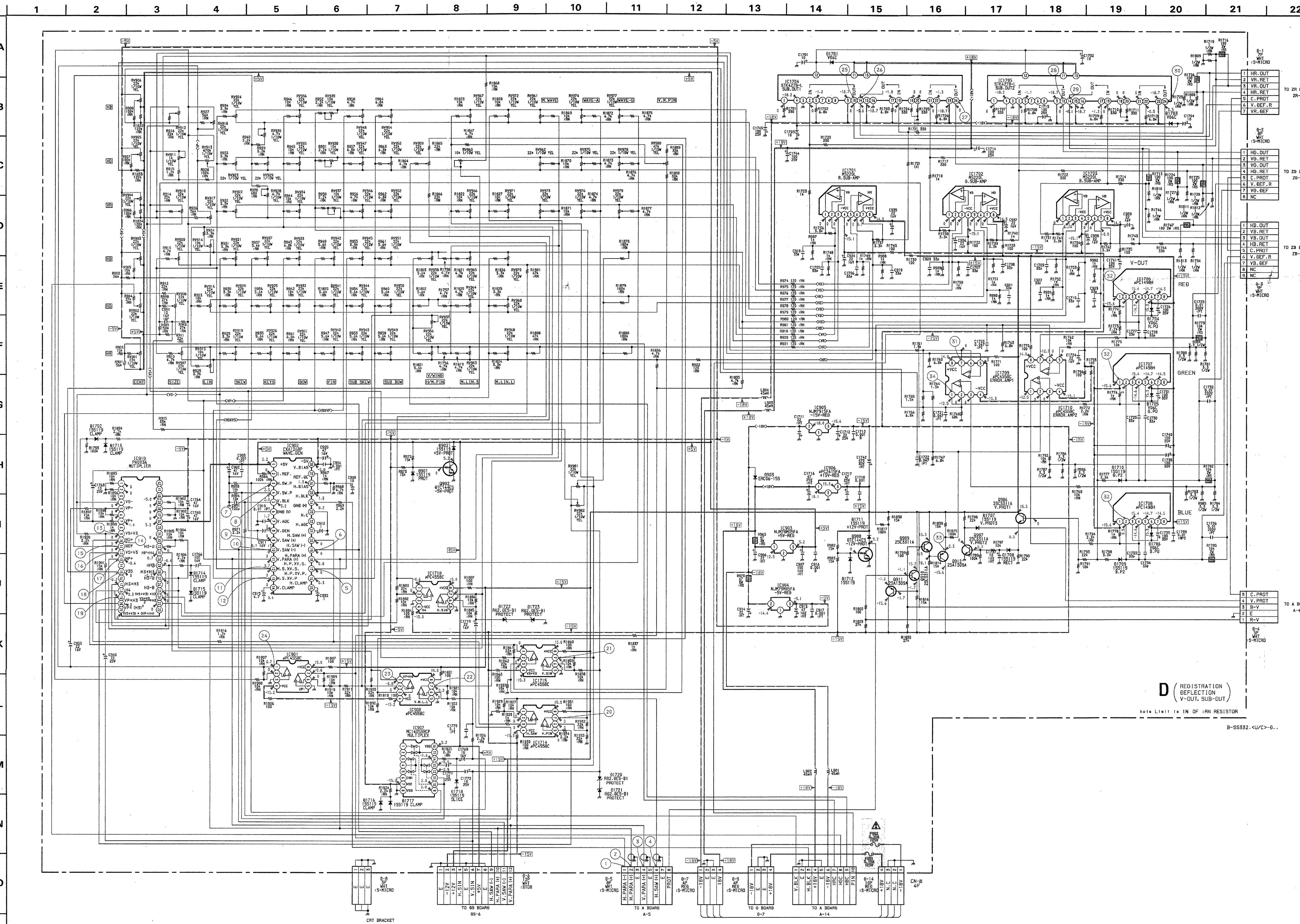
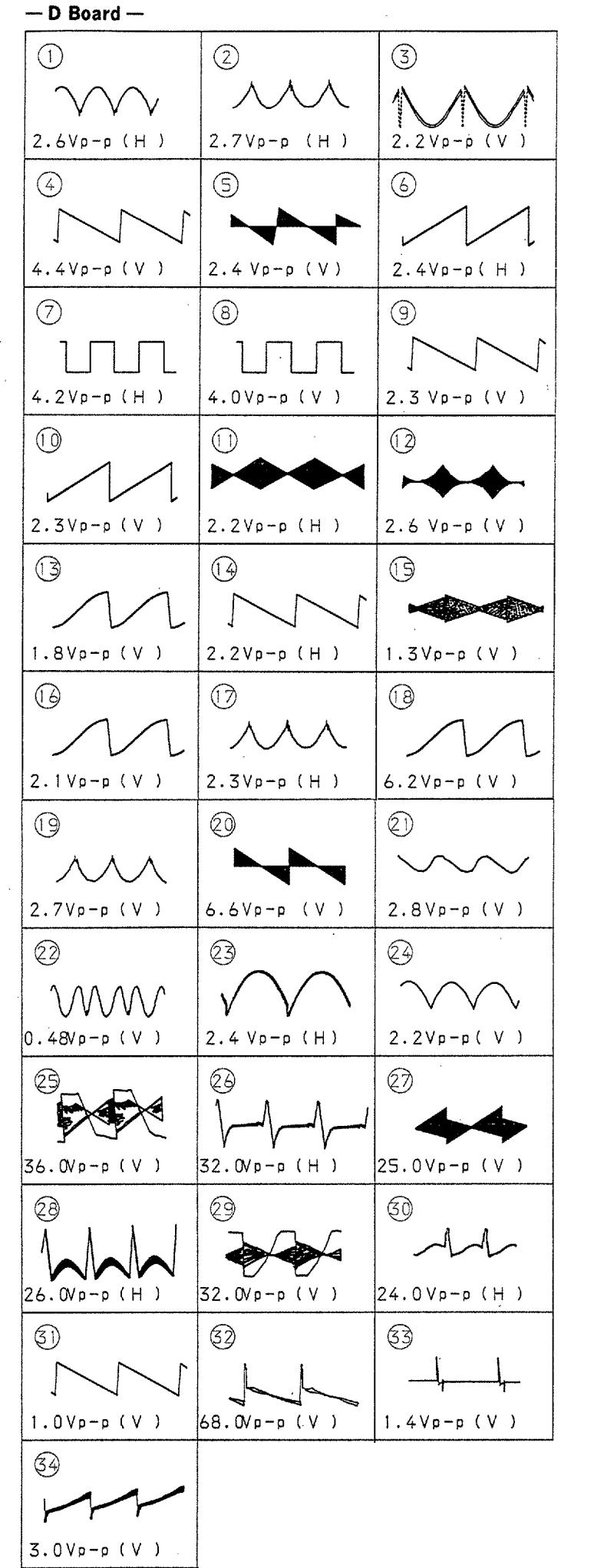
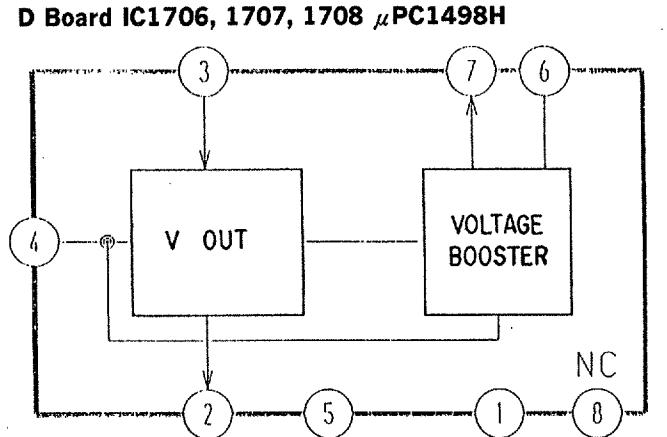
— UT Board —





B-55326-U/C>-U..



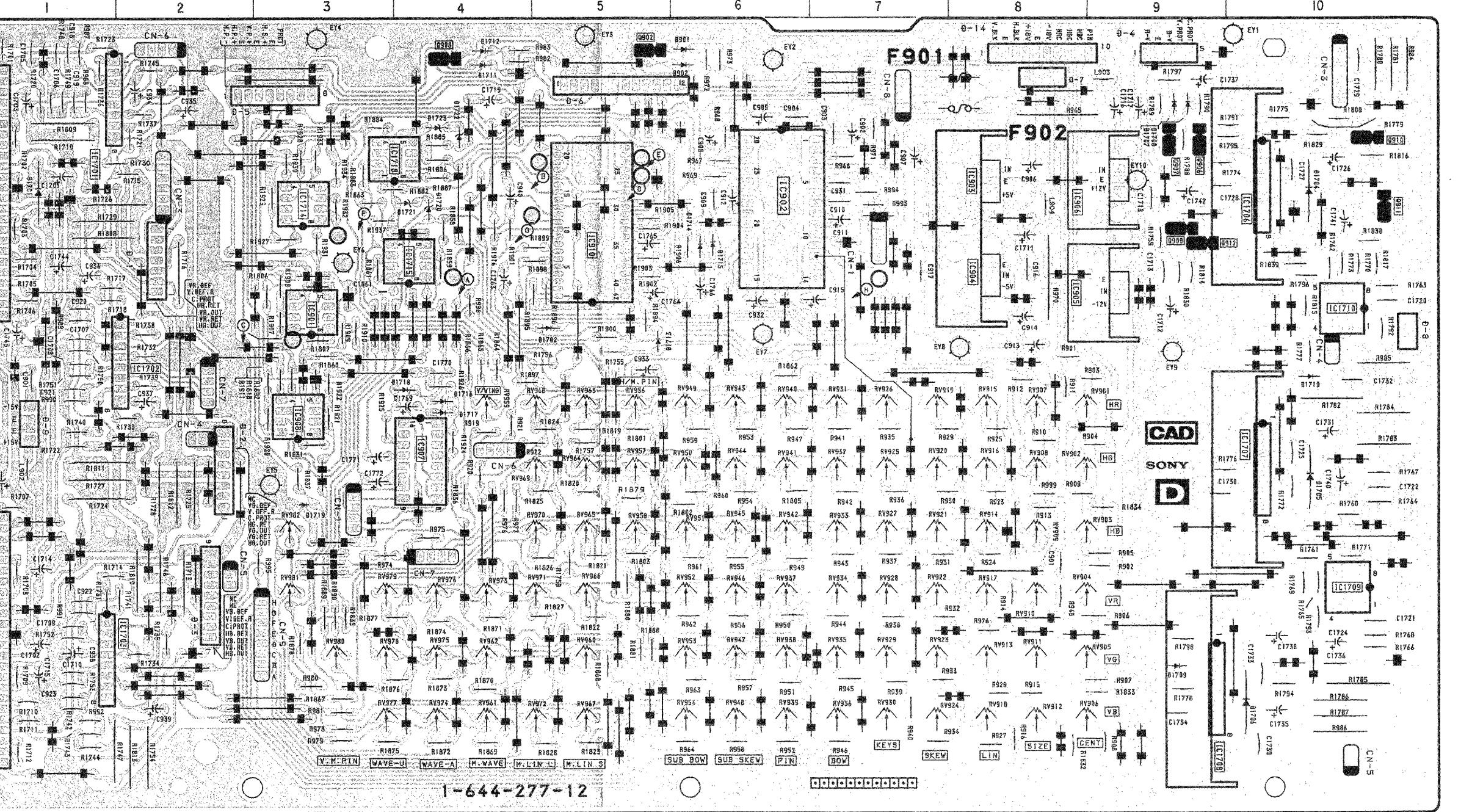


D

[REGISTRATION, DEFLECTION, V-OUT, SUB-OUT]

- D Board -

IC	RV924	E-7	
IC901	B-3	RV925	D-7
IC902	B-6	RV926	C-7
IC903	A-8	RV927	D-7
IC904	B-8	RV928	D-7
IC905	B-9	RV930	E-7
IC906	A-9	RV931	C-7
IC907	C-4	RV932	D-7
IC908	C-3	RV933	D-7
IC910	B-5	RV934	D-7
IC1701	A-1	RV935	E-7
IC1702	C-2	RV936	E-7
IC1703	E-1	RV937	D-6
IC1704	B-1	RV938	E-6
IC1705	E-1	RV939	E-6
IC1706	B-10	RV940	C-6
IC1707	D-10	RV941	D-6
IC1708	E-9	RV942	D-6
IC1709	D-10	RV943	C-6
IC1710	B-10	RV944	D-6
IC1711	B-3	RV945	D-6
IC1712	B-4	RV946	D-6
IC1713	A-4	RV947	E-6
RV948	E-6	RV949	C-6
TRANSISTOR	RV950	D-6	
Q902	A-5	RV951	D-6
Q906	A-9	RV952	E-6
Q907	A-9	RV953	E-6
Q908	A-4	RV954	E-6
Q909	B-9	RV955	C-5
Q910	A-11	RV956	D-5
Q911	B-11	RV957	D-5
Q912	B-9	RV958	D-5
DIODE	RV962	E-4	
D901	A-6	RV963	C-5
D902	A-6	RV964	D-5
D1701	B-1	RV965	D-5
D1702	C-5	RV966	D-5
D1703	C-1	RV967	E-5
D1704	B-10	RV968	C-5
D1705	D-10	RV969	D-5
D1706	E-10	RV970	D-5
D1707	A-9	RV971	D-5
D1708	A-9	RV972	E-5
D1709	E-9	RV973	D-4
D1710	C-10	RV974	E-4
D1711	A-4	RV975	E-4
D1712	A-4	RV976	D-4
D1713	C-5	RV977	E-3
D1714	B-6	RV978	D-3
D1715	B-6	RV979	D-3
D1716	C-4	RV980	E-3
D1717	C-4	RV981	D-3
D1718	C-4	RV982	D-3
VARIABLE RESISTOR	RV901	C-9	
RV902	D-9	RV903	D-9
RV904	D-9	RV905	E-9
RV906	E-9	RV907	C-8
RV908	D-8	RV909	D-8
RV910	D-8	RV911	E-8
RV912	E-8	RV913	E-8
RV914	D-8	RV915	C-8
RV916	D-8	RV917	E-8
RV918	E-8	RV919	C-7
RV919	C-7	RV920	D-7
RV921	D-7	RV922	D-7
RV922	D-7	RV923	E-7

- D Board -

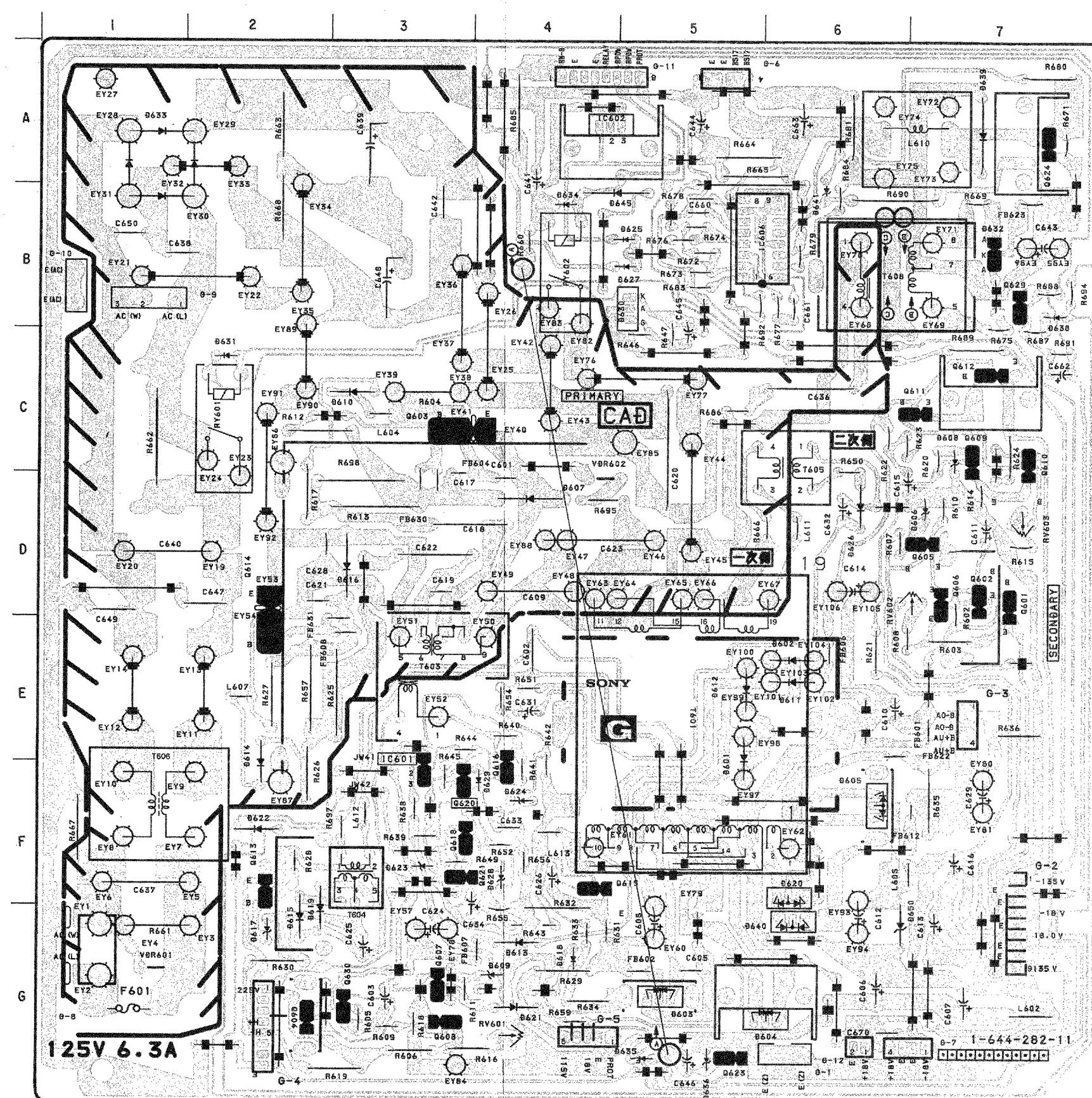
1-644-277-12

G

[POWER SUPPLY]

G Board —

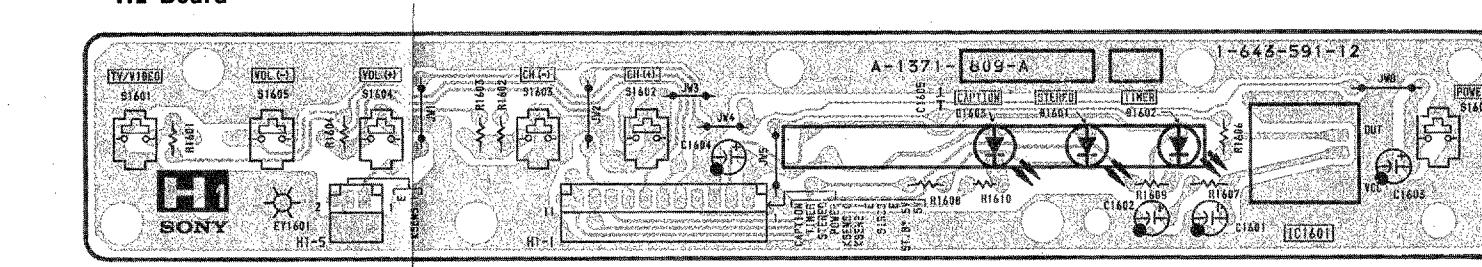
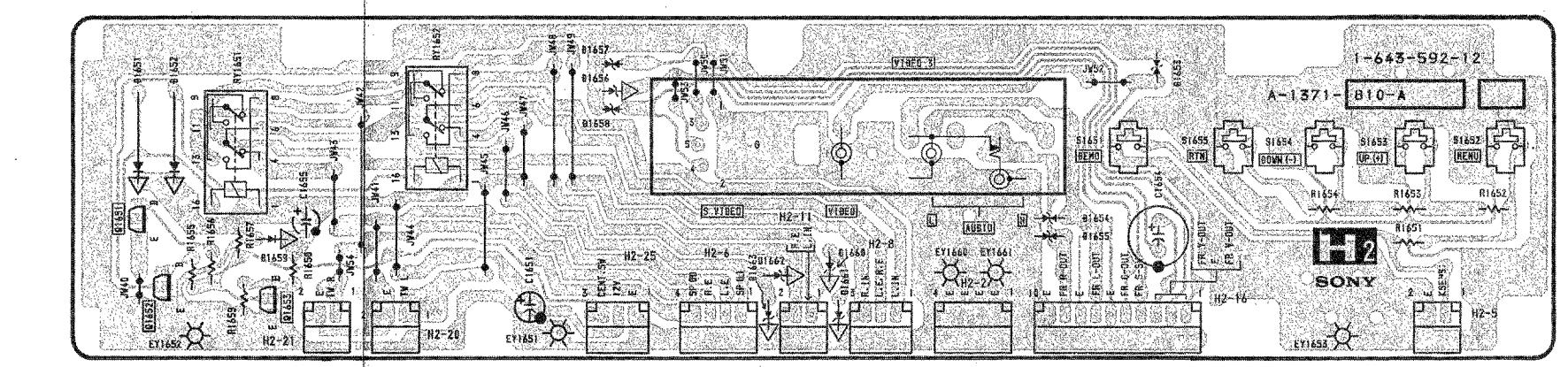
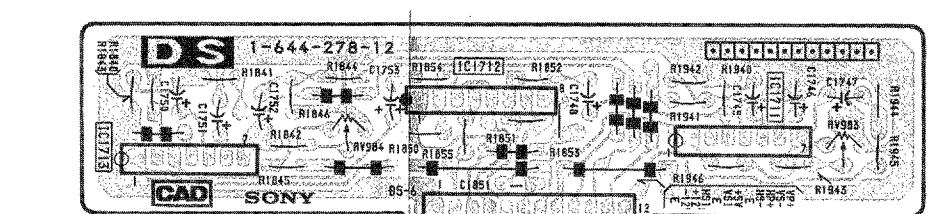
IC	
IC601	E-3
IC602	A-4
IC606	B-6
TRANSISTOR	
6001	D-7
6002	D-7
6003	C-3
6004	G-2
6005	D-7
6006	D-7
6007	G-3
6008	G-3
6009	C-7
6010	C-7
6011	C-7
6012	C-7
6013	F-2
6014	E-2
6015	F-4
6016	F-4
6018	F-3
6020	F-3
6021	F-3
6023	H-5
6024	A-8
6029	B-7
6030	G-3
DIODE	
D601	E-5
D602	E-6
D603	G-5
D604	G-6
D605	F-6
D606	D-7
D607	D-4
D608	C-7
D609	G-4
D610	C-3
D611	E-6
D612	E-5
D613	G-4
D614	F-2
D615	D-3
D616	D-3
D617	G-2
D618	G-4
D619	G-2
D620	F-6
D621	G-4
D622	F-2
D623	F-3
D624	F-4
D625	B-5
D626	D-6
D627	B-5
D628	F-4
D629	F-4
D630	B-5
D631	C-2
D632	B-7
D633	A-1
D634	B-4
D635	H-5
D636	H-5
D638	B-8
D639	A-7
D640	G-6
D645	B-5
D650	G-7
VARIABLE RESISTOR	
RV601	G-4
RV602	D-7
RV603	D-7

G Board —**H1**

[USER CONTROL]

H2

[USER CONTROL] [SIN. WAVE, GEN]

H1 Board —**H2 Board —****DS Board —****NOTE:**

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

A

B

C

D

E

F

G

H

I

J

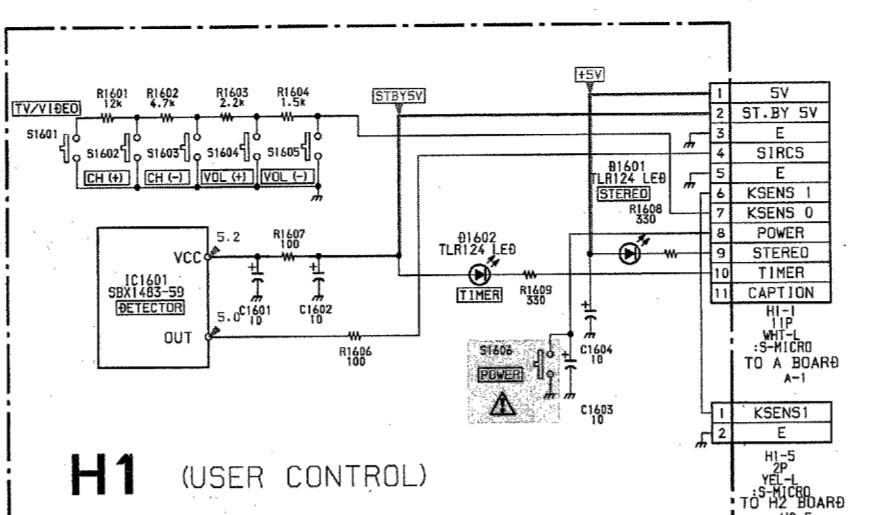
K

L

M

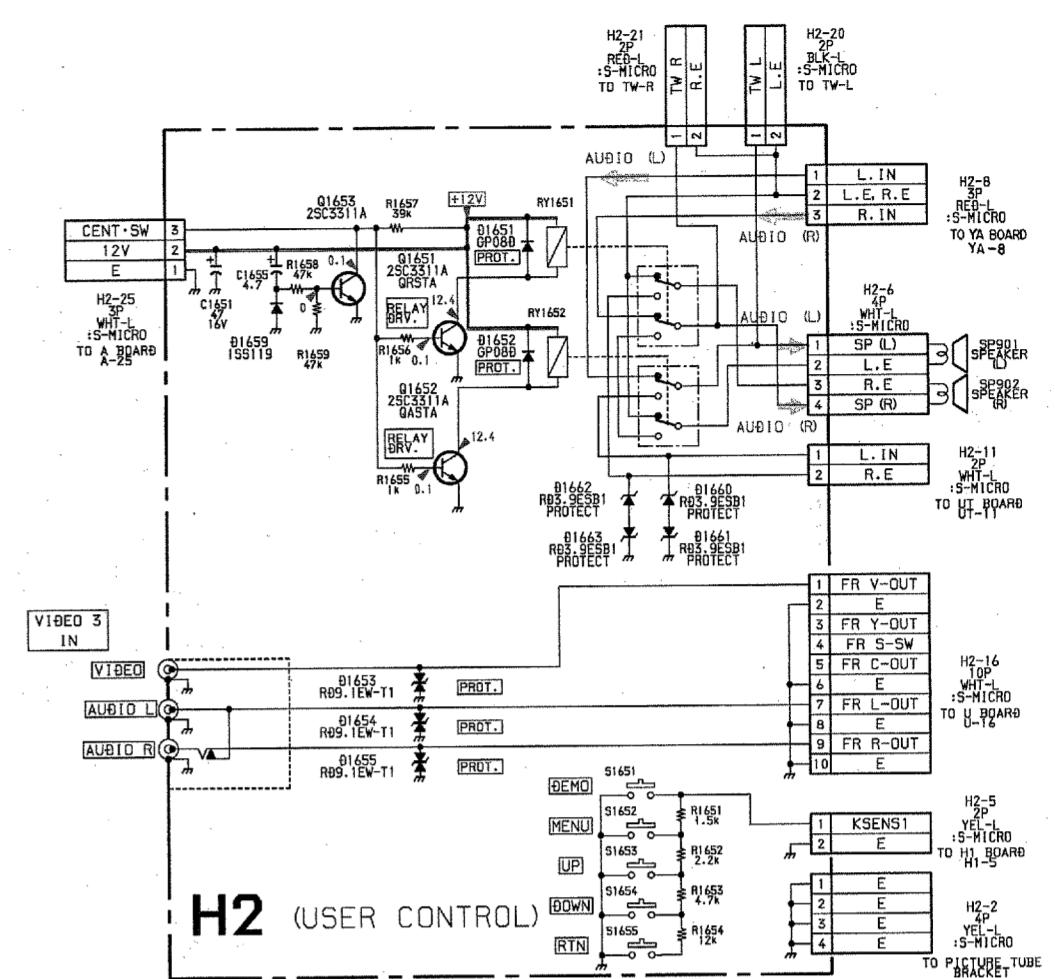
N

O



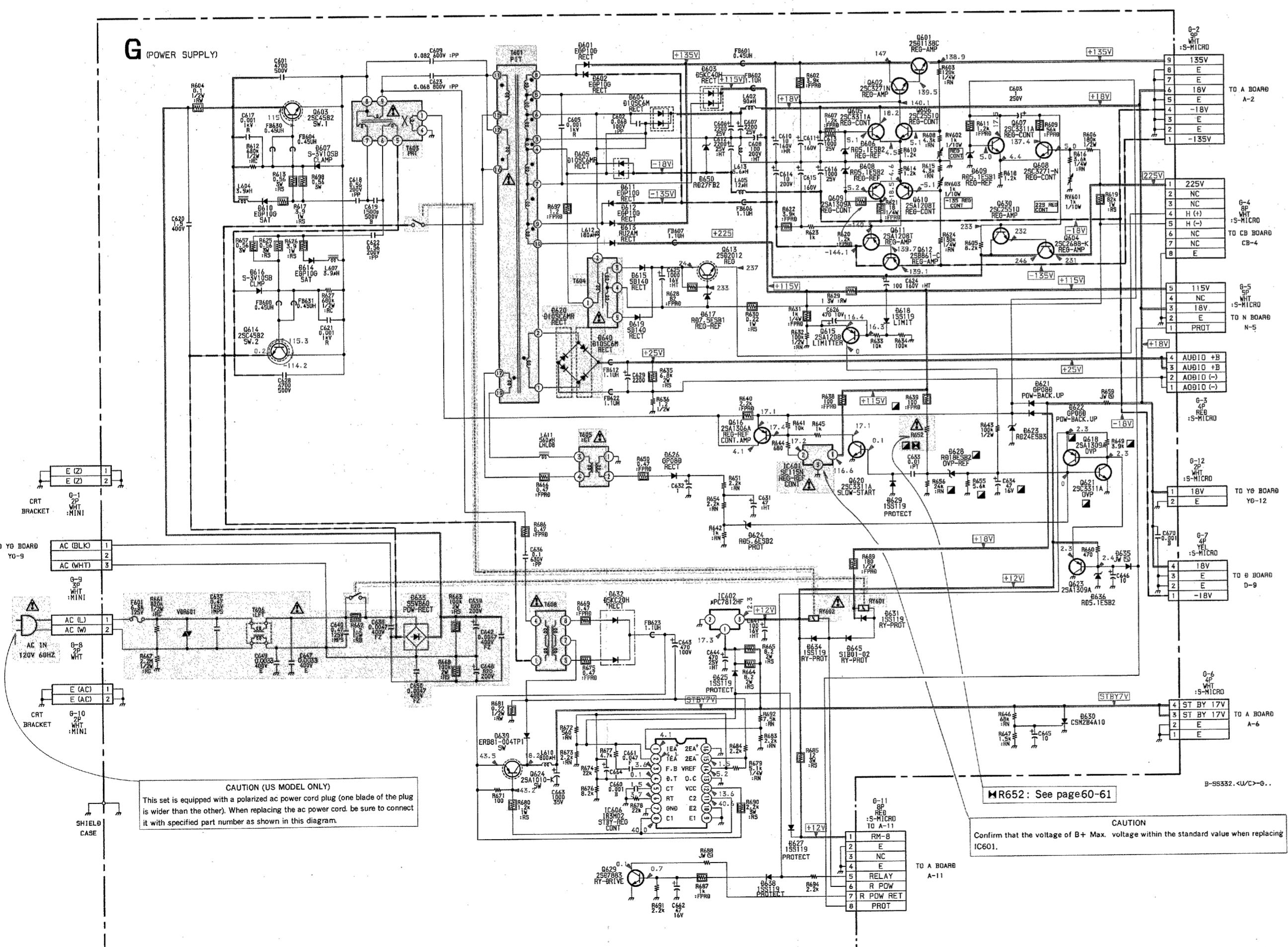
H1 (USER CONTROL)

B-SS332.<U/C>-H1.



H2 (USER CONTROL)

B-SS332.<U/C>-H2.

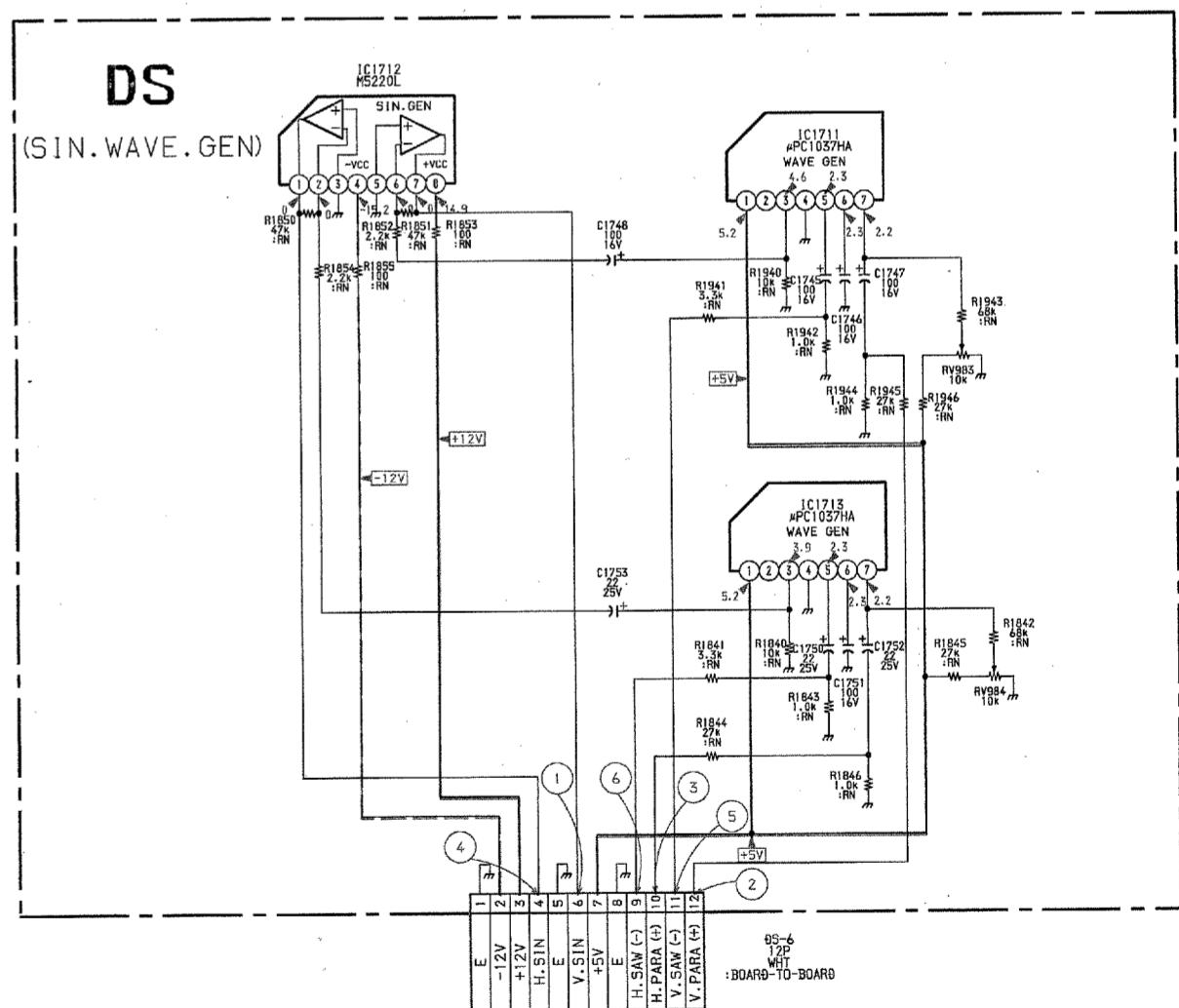


CAUTION (US MODEL ONLY)
This set is equipped with a polarized ac power cord plug (one blade of the plug is wider than the other). When replacing the ac power cord, be sure to connect it with specified part number as shown in this diagram.

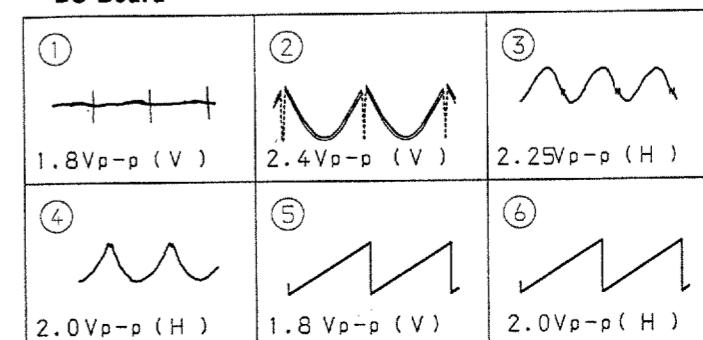
MR652: See page 60-61

CAUTION
Confirm that the voltage of B+ Max. voltage within the standard value when replacing IC601.

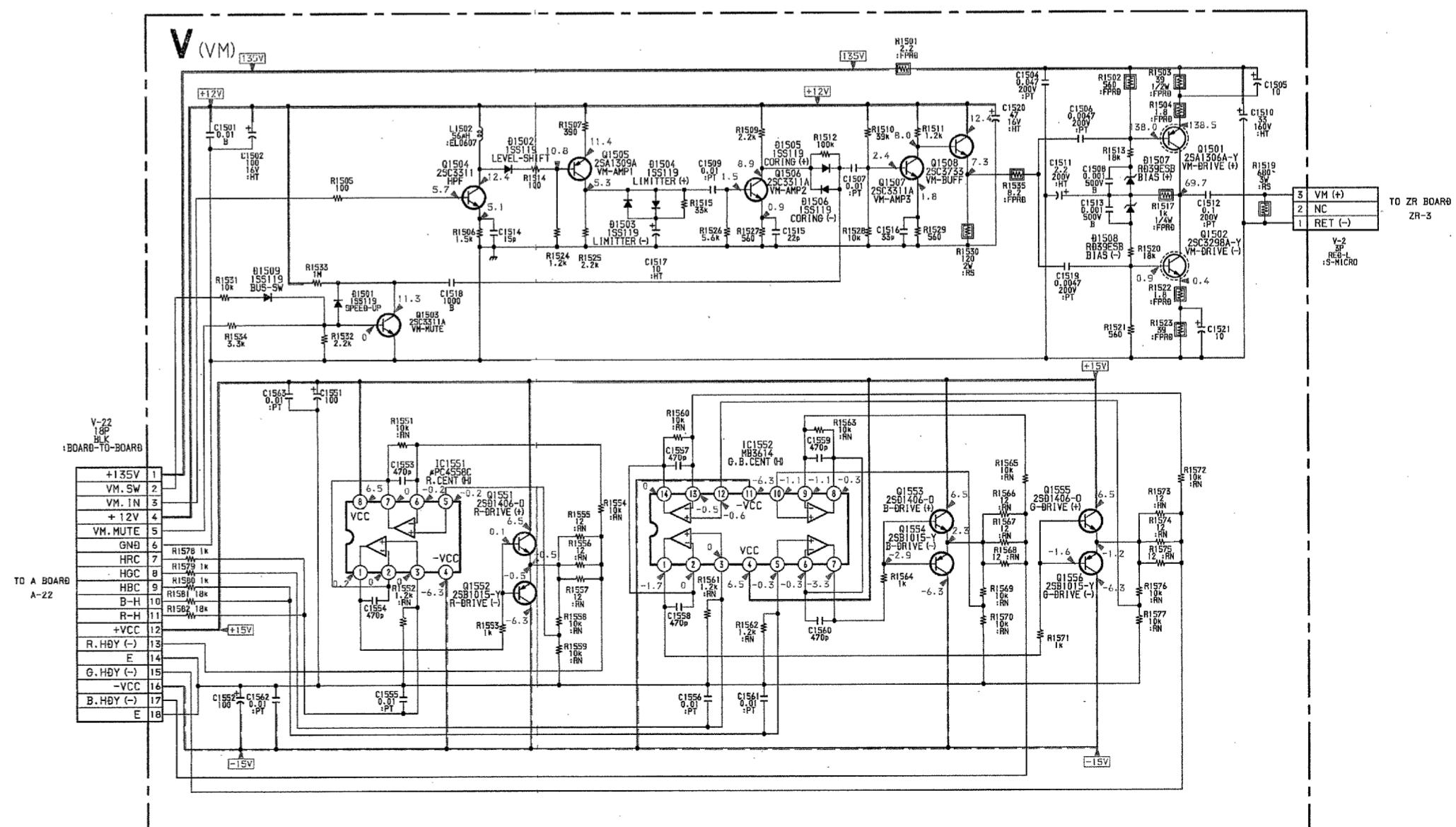
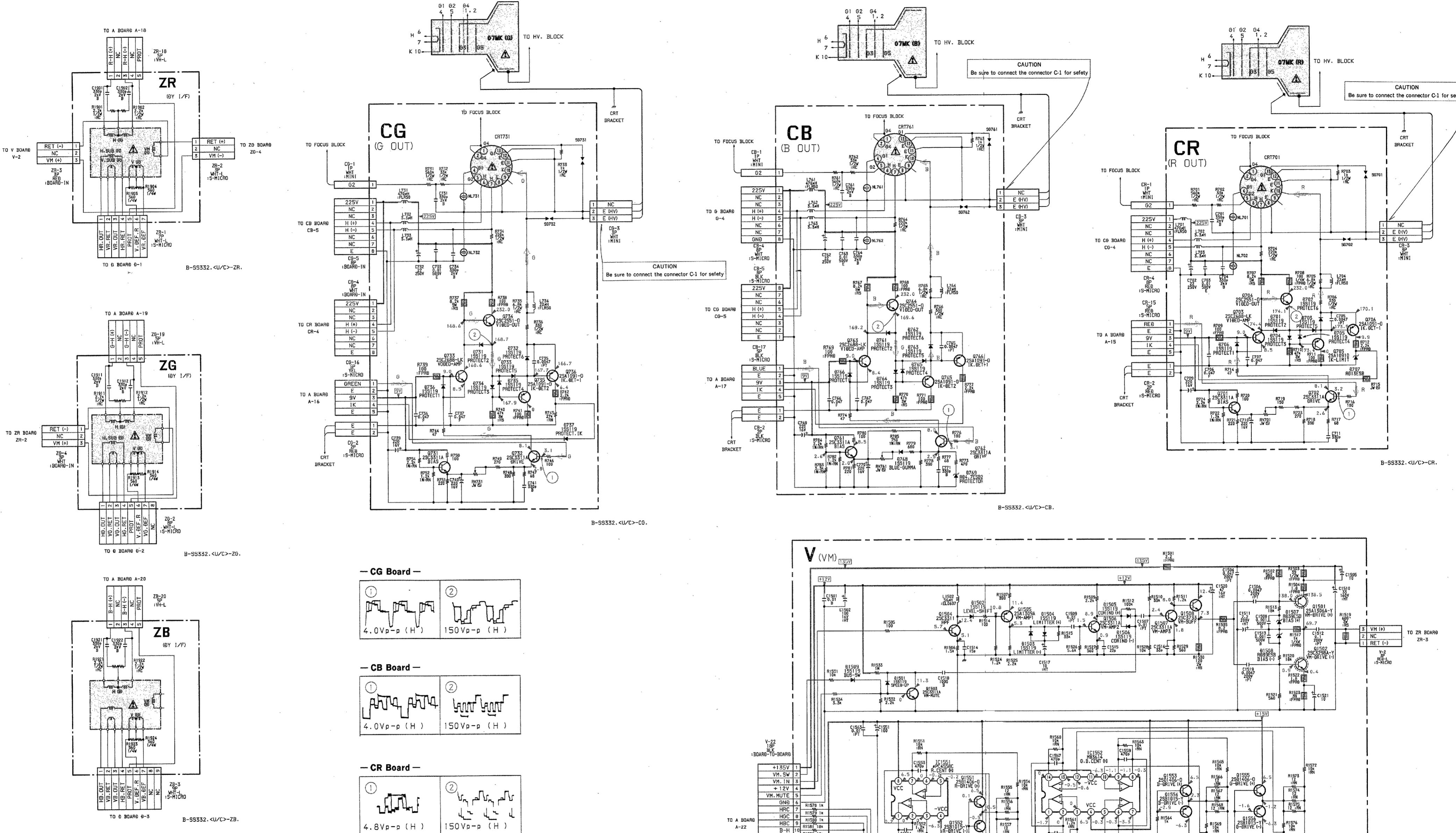
-118-



- DS Board -

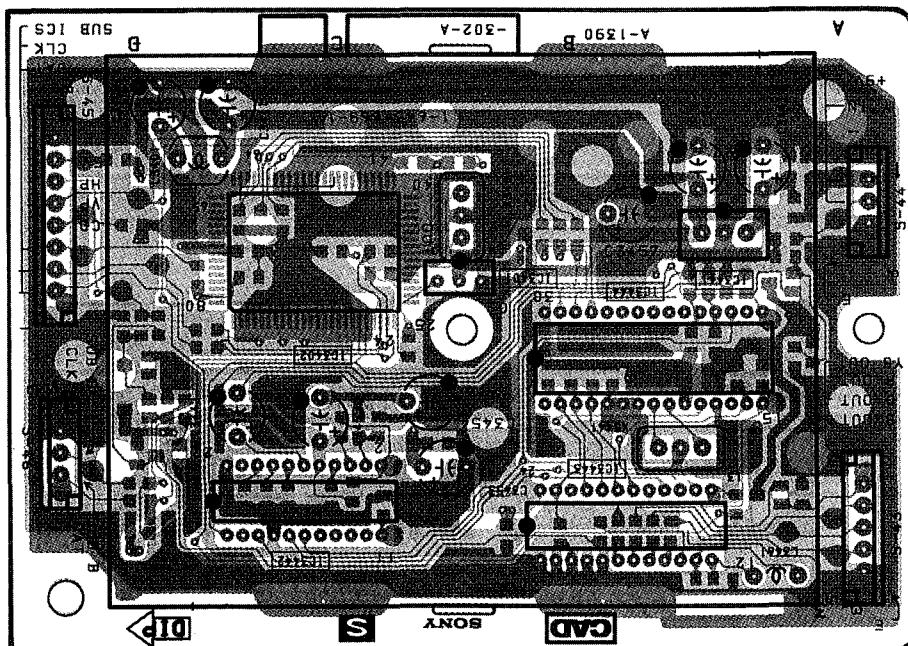
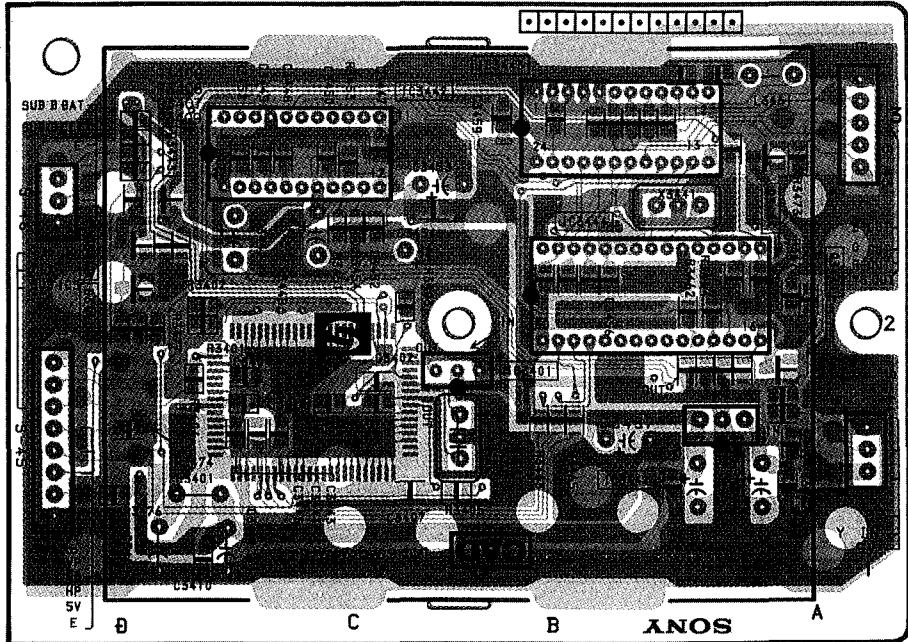


-119-



S

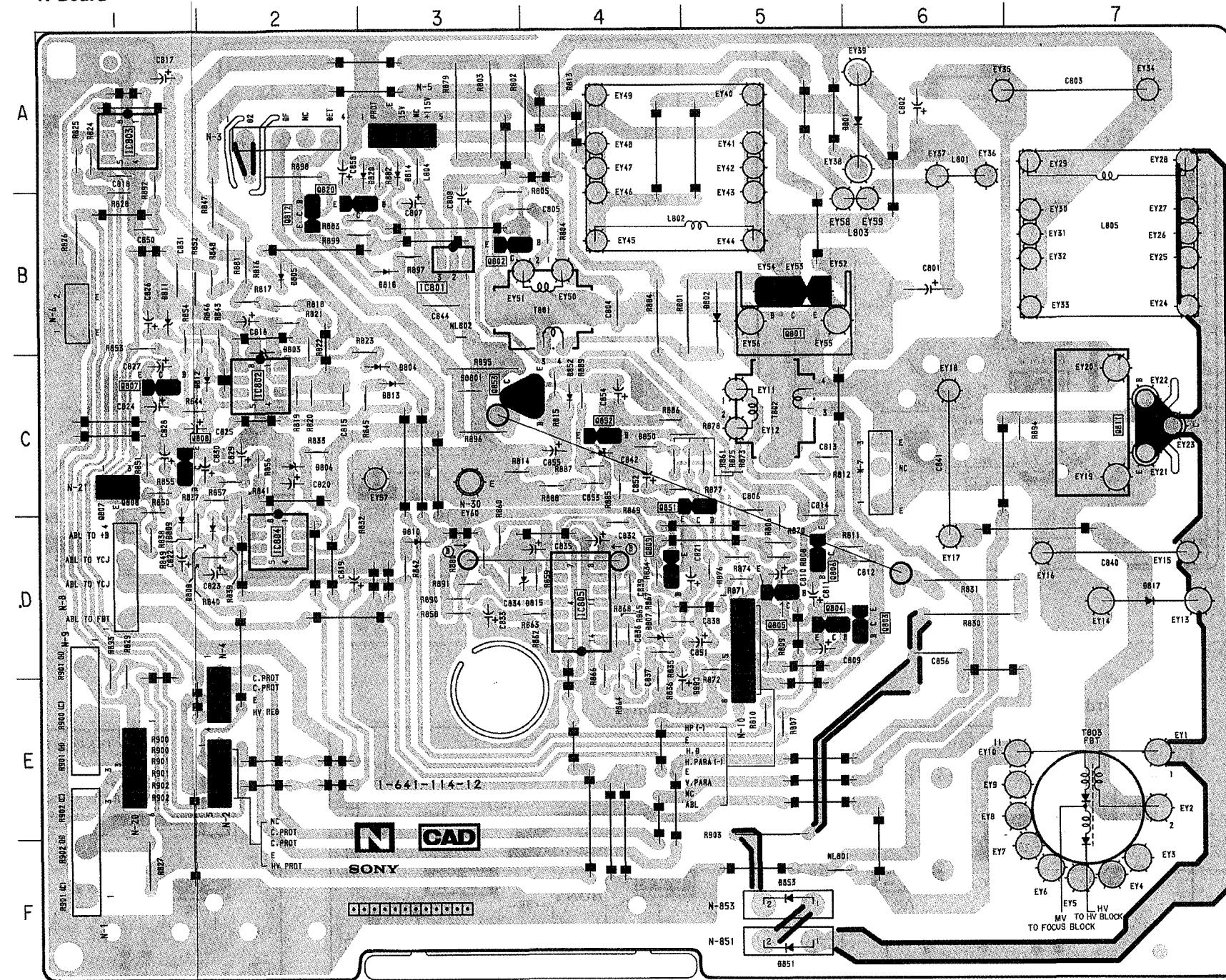
[SUB-CONTROL, MICRO COMPUTER]

- S Board -**N**

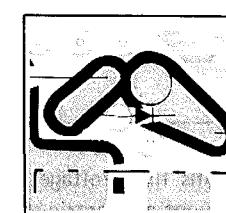
[H. V.]

- N Board -

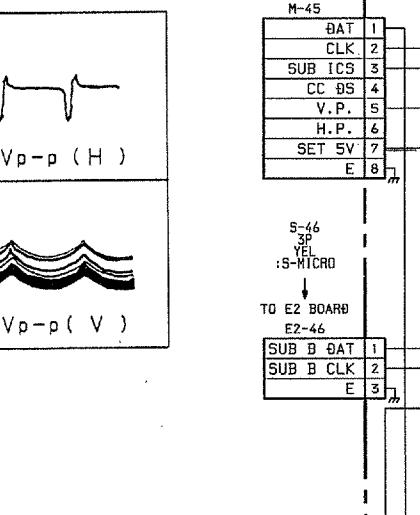
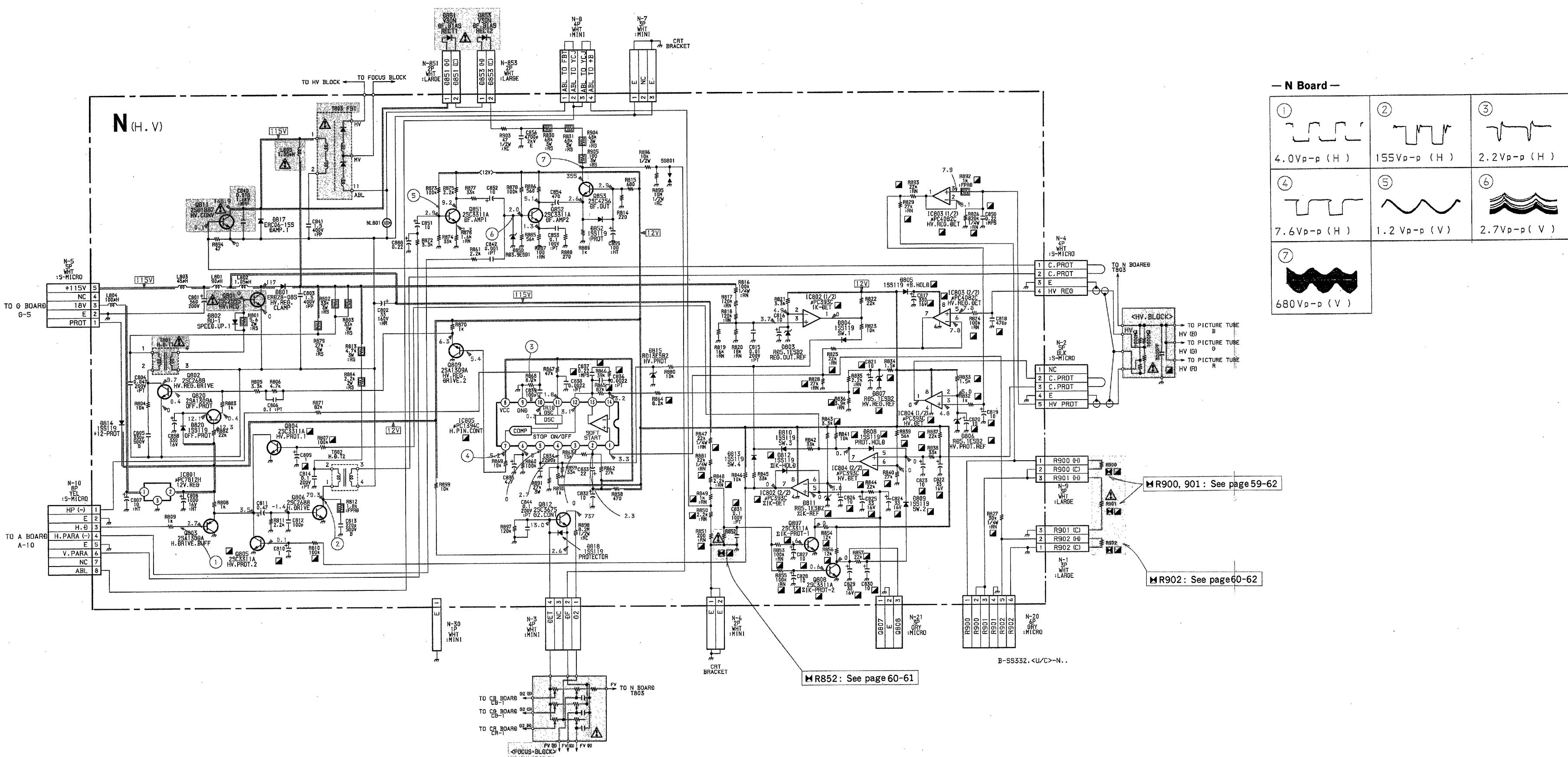
IC	
IC801	B-3
IC802	C-2
IC803	A-1
IC804	D-2
IC805	D-4
TRANSISTOR	
Q801	B-5
Q802	B-3
Q803	D-6
Q804	D-5
Q805	D-5
Q806	D-5
Q807	C-1
Q808	C-1
Q809	D-4
Q811	C-7
Q812	B-1
Q820	B-2
Q851	C-5
Q852	C-4
Q853	C-4
DIODE	
D801	A-6
D802	B-5
D803	B-2
D804	C-3
D805	B-1
D806	C-2
D807	D-4
D808	D-1
D809	D-1
D810	D-3
D811	B-1
D812	C-1
D813	C-3
D814	A-1
D815	D-4
D817	D-7
D818	B-3
D820	A-3
D850	C-4
D852	C-4

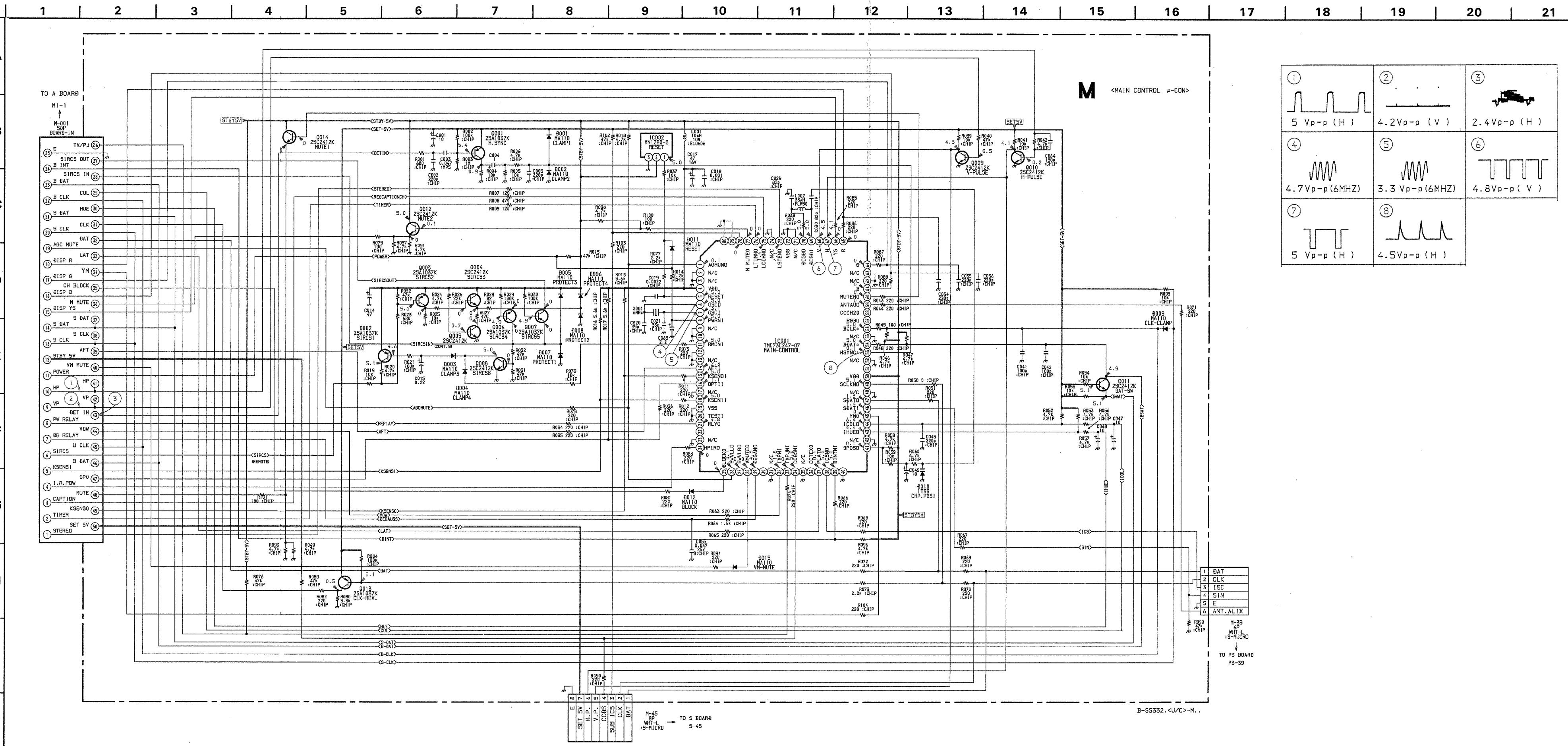
- N Board -**NOTE:**

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



A



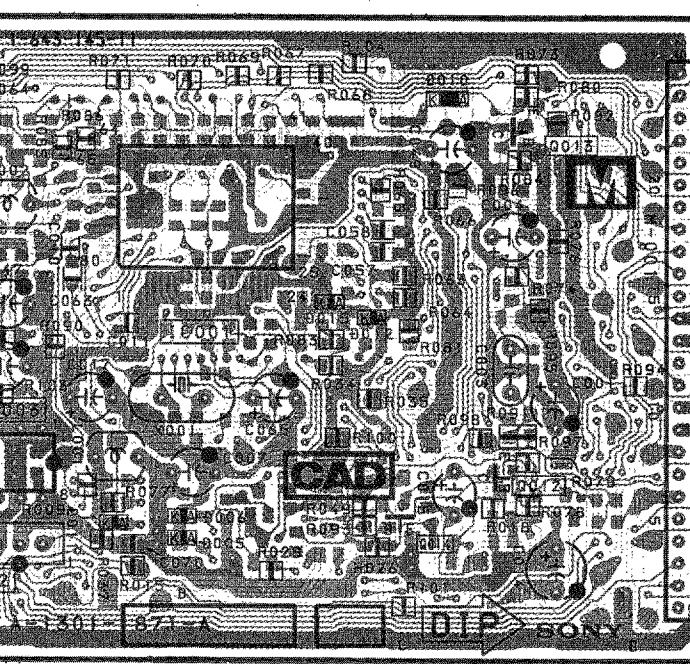
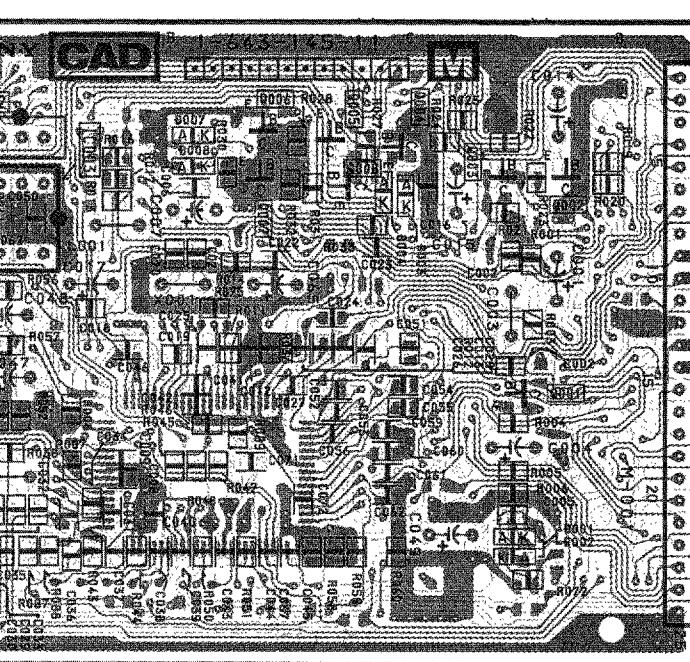


M [MAIN CON

CONTRO

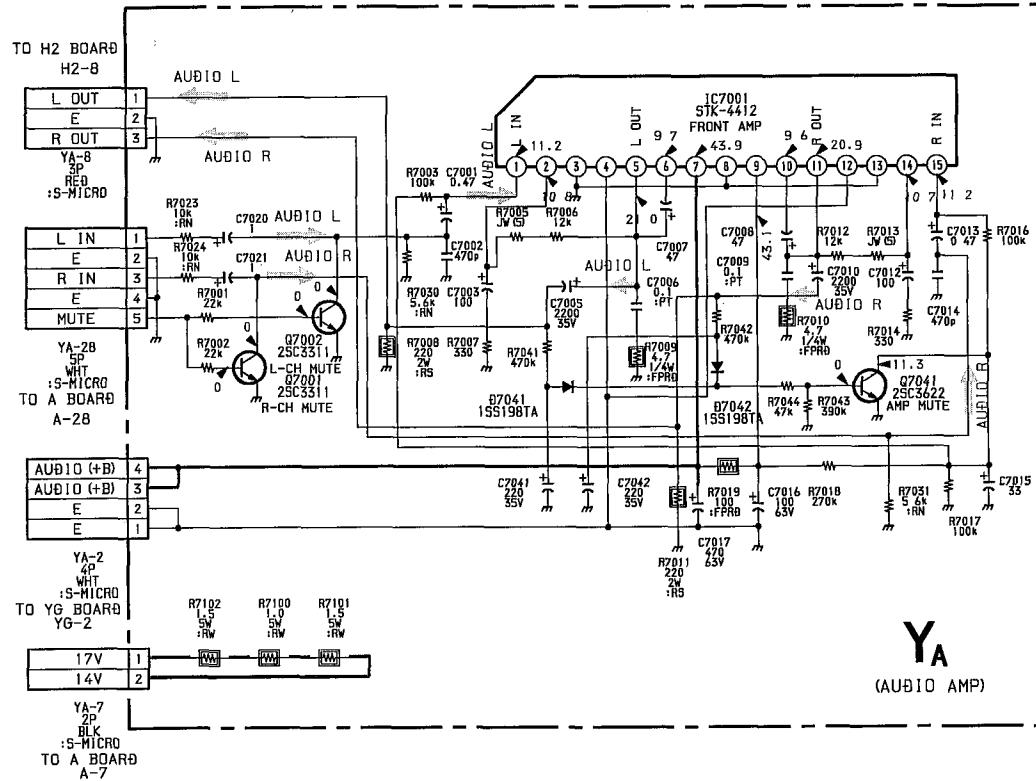
DL, MI

CONTROL, MI



- : Pattern from the side which enables seeing
- : Pattern of the rear side

A



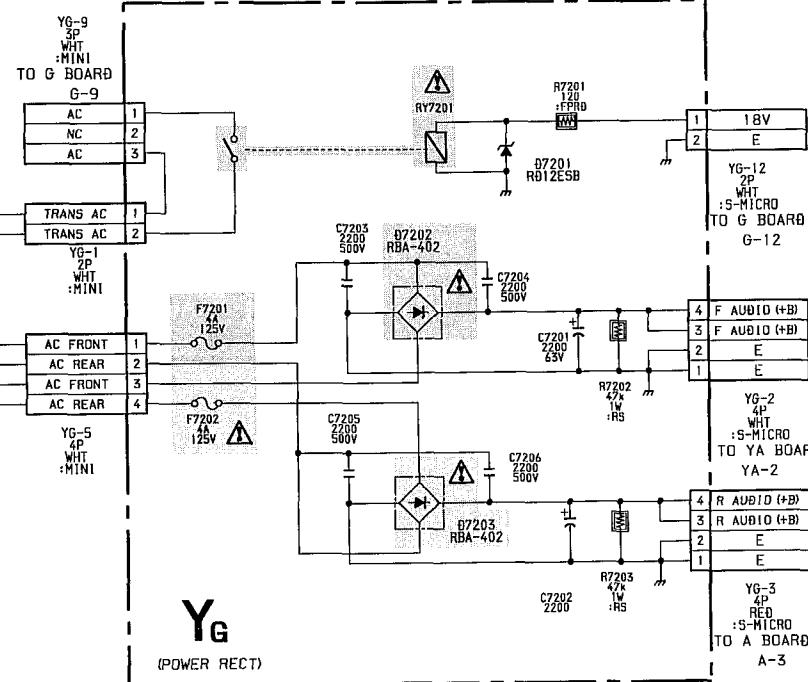
E

F

G

H

I



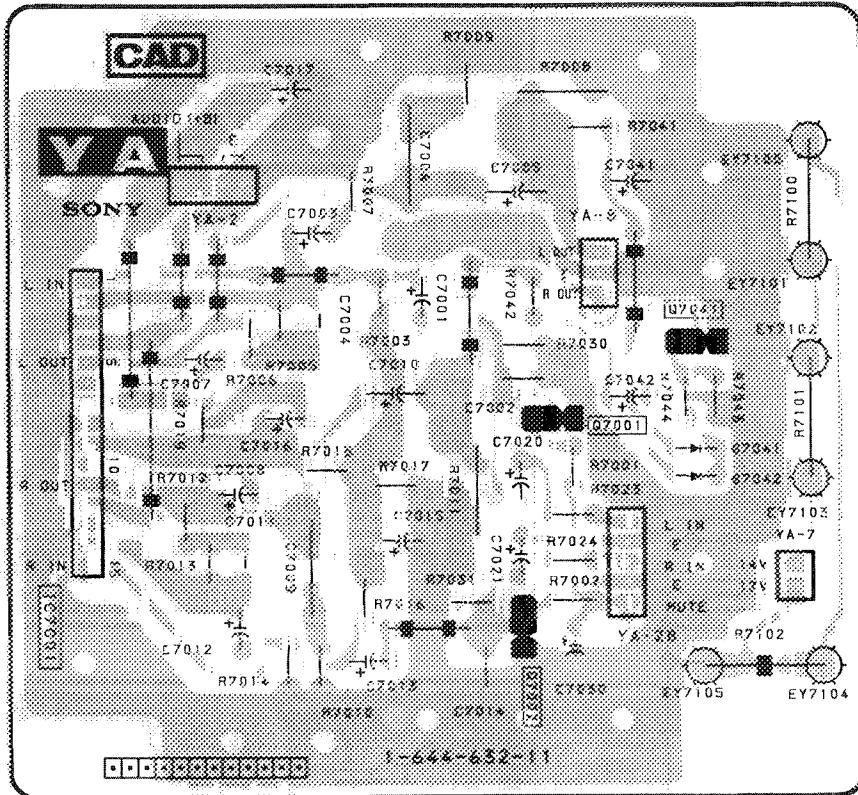
YA

[AUDIO AMP]

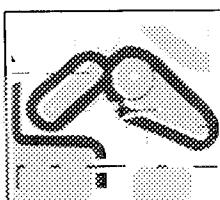
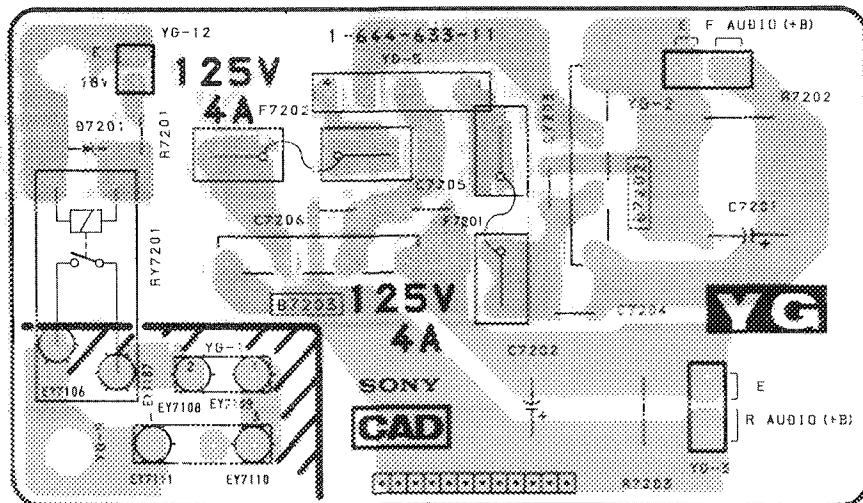
YG

[POWER RECT]

— YA Board —



— YG Board —



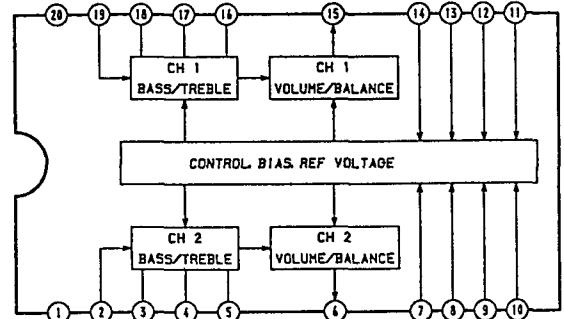
NOTE:

NOTE: The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

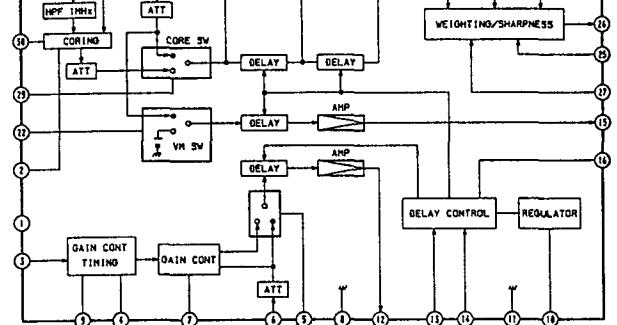
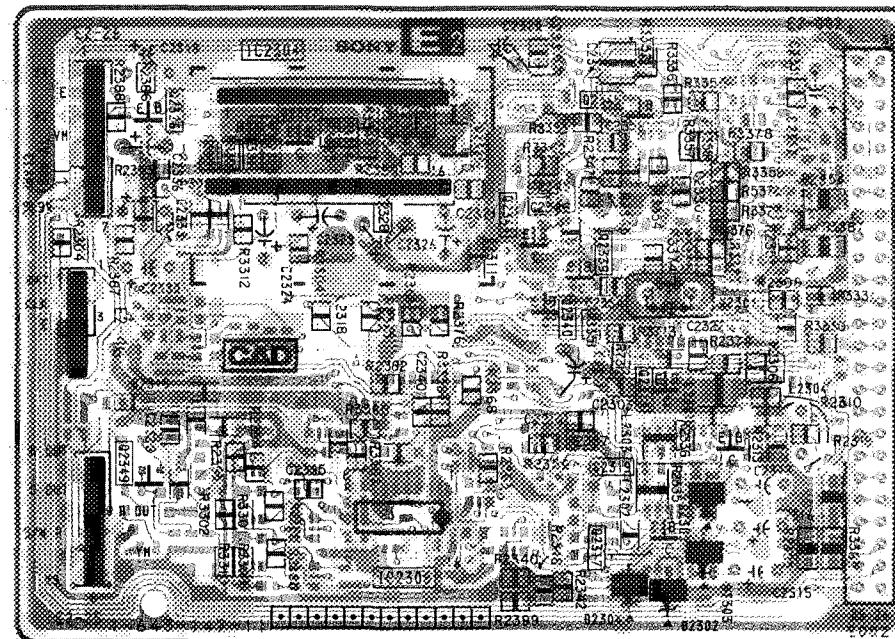
E2

[SHARPNESS CONT., CHARACTER GENERATOR]

Y2 Board IC407 TA8184P

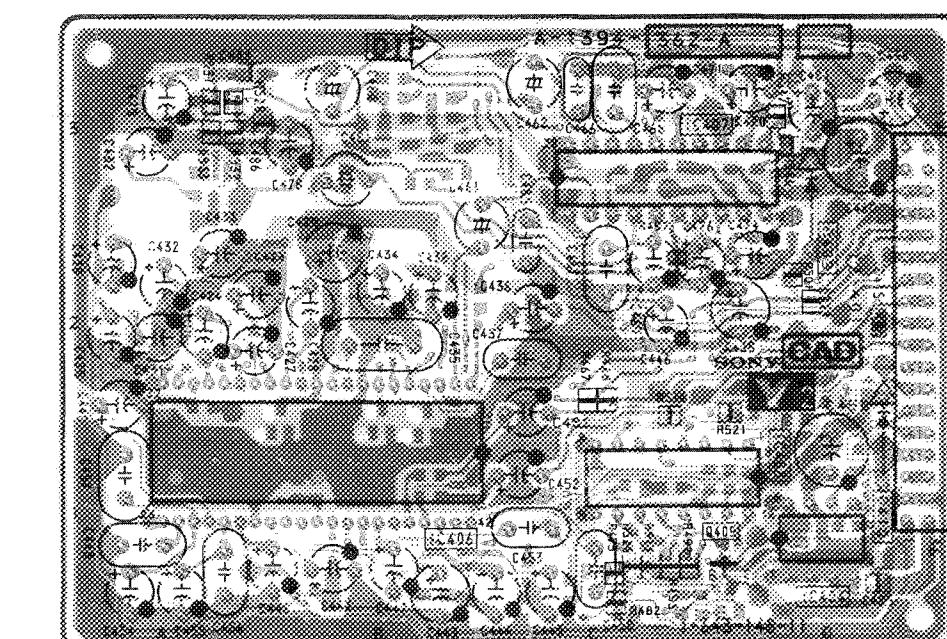
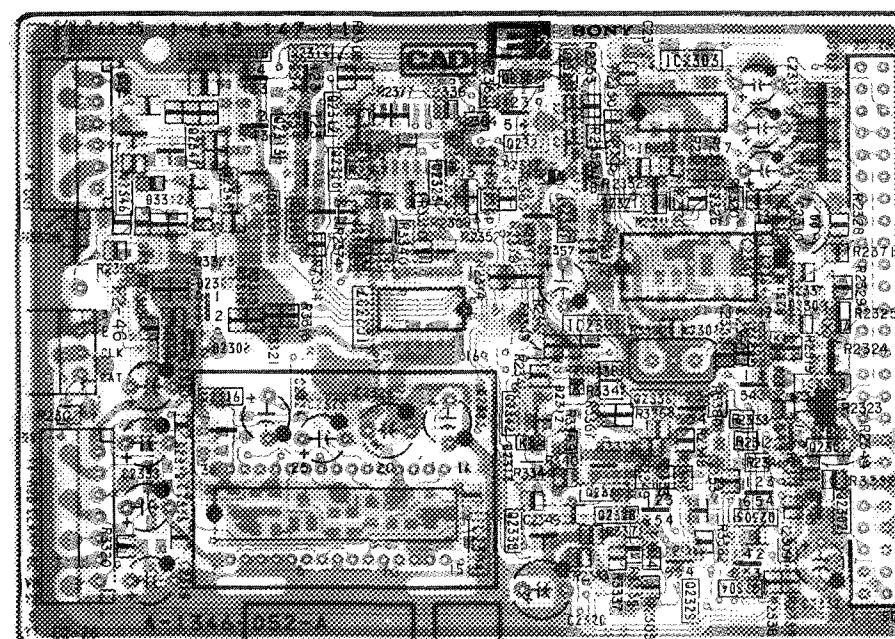
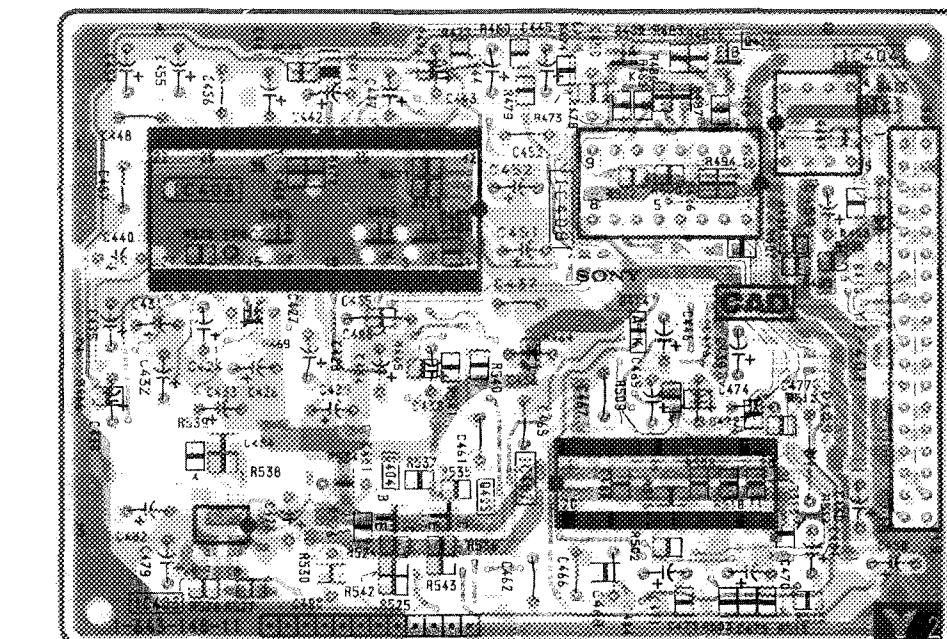


— E2 Board —

**Y2**

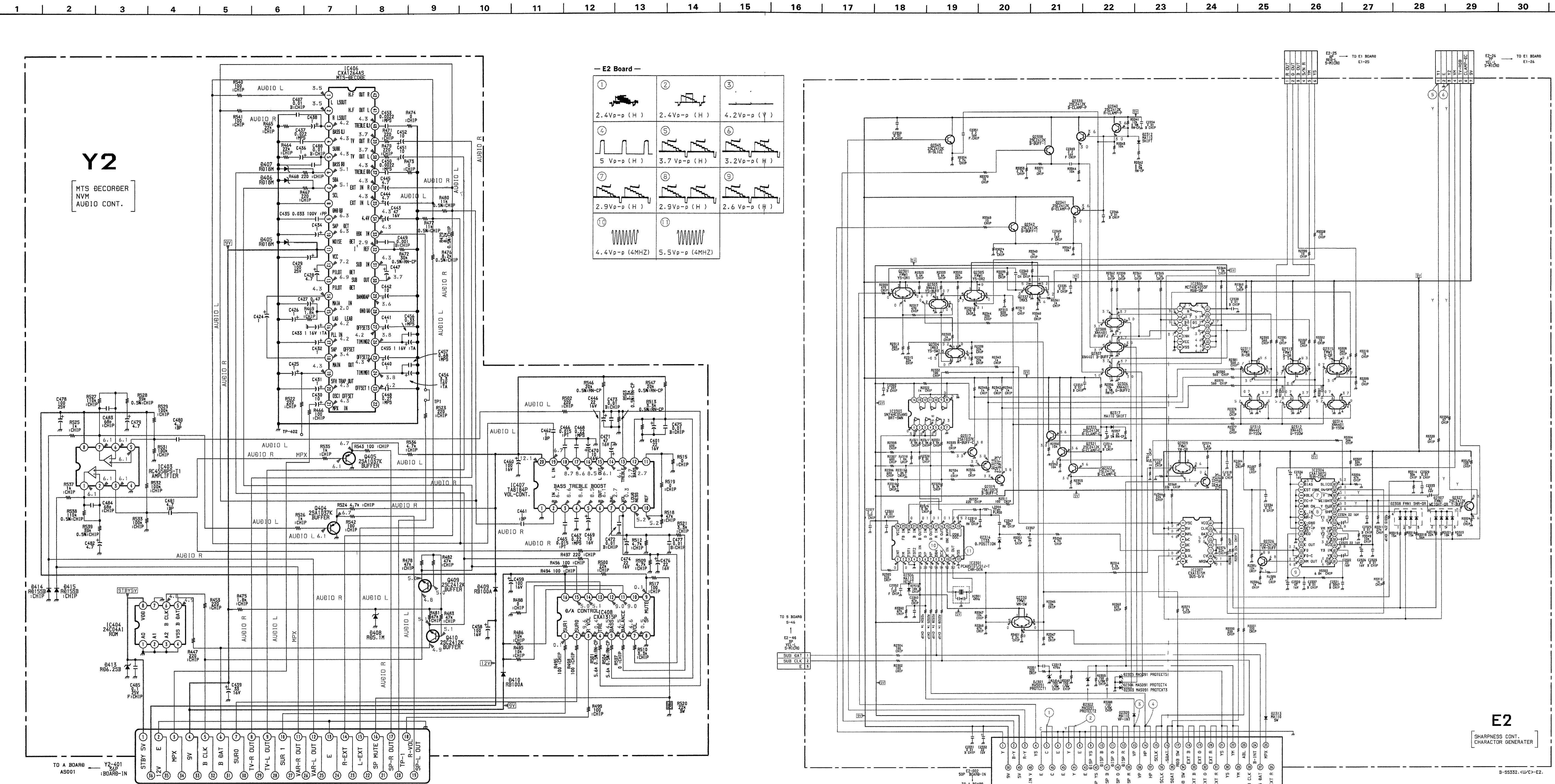
[MTS DECODER, NVM, AUDIO CONT.]

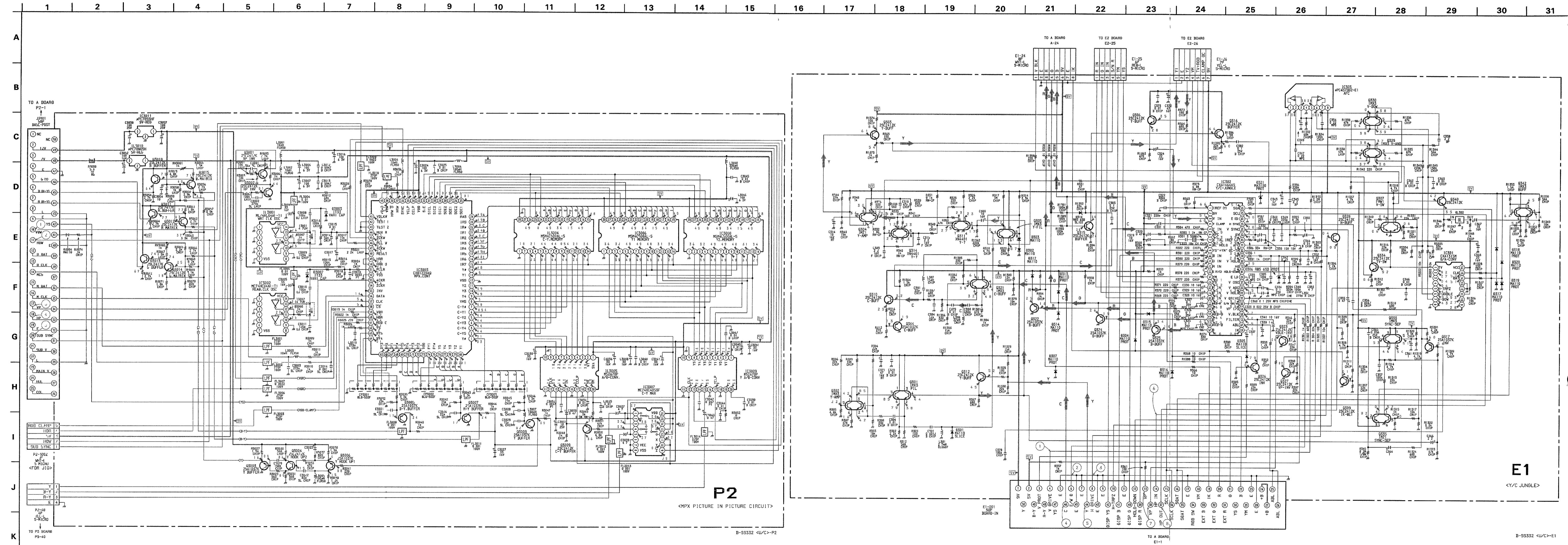
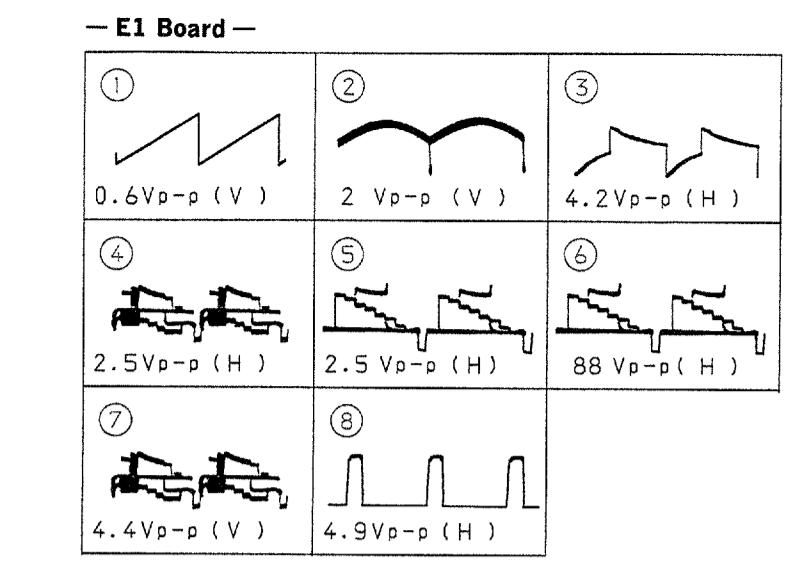
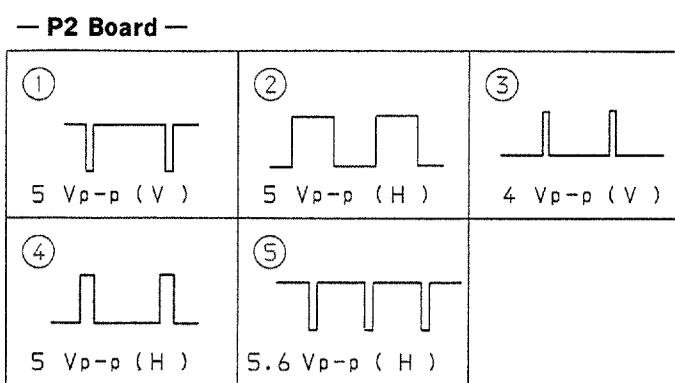
— Y2 Board —



▲ : Pattern from the side which enables seeing
 ▲ : Pattern of the rear side

▲ : Pattern from the side which enables seeing
 ▲ : Pattern of the rear side



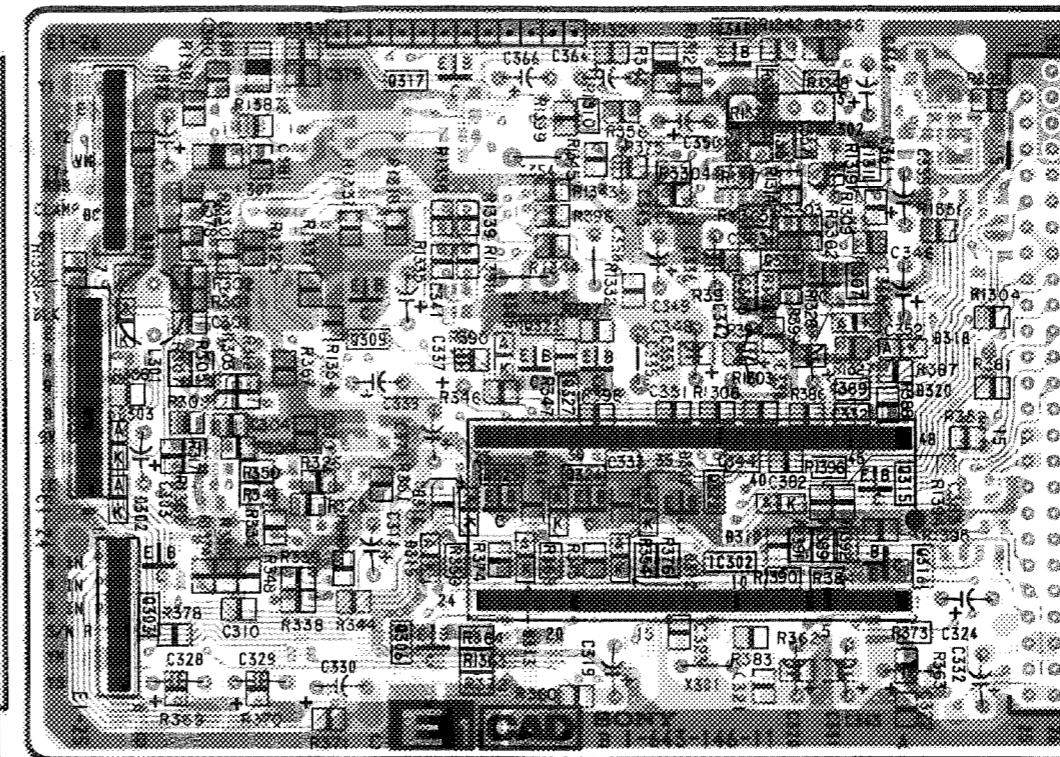
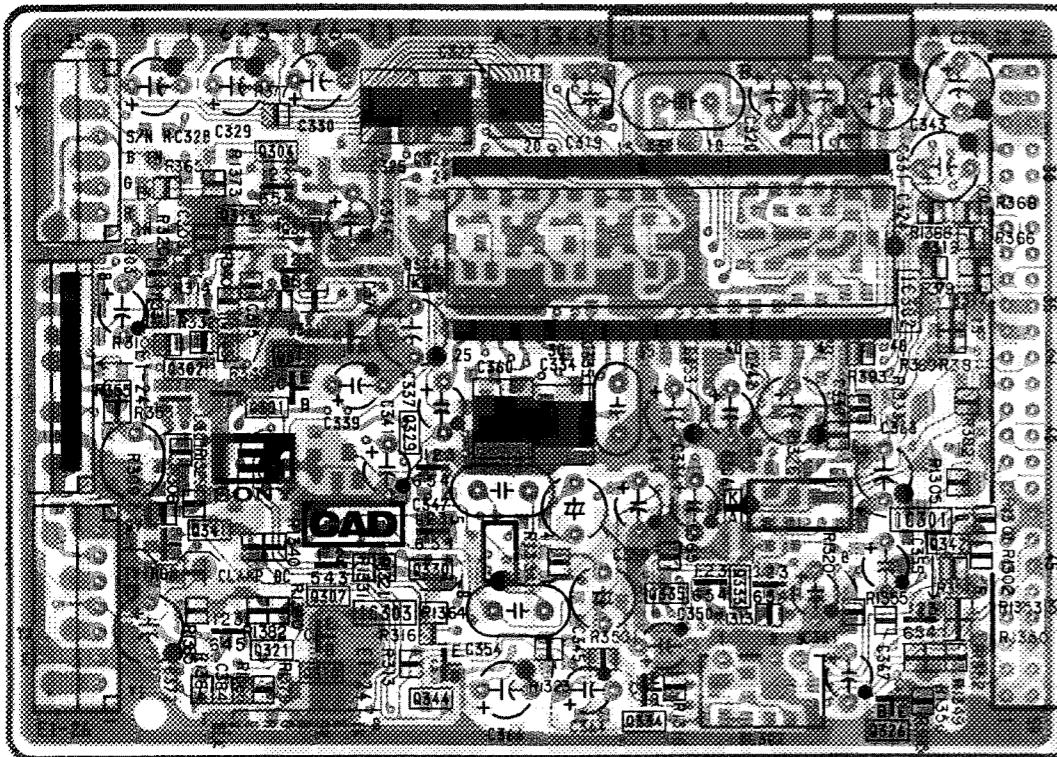


E1

[Y/C JUNGLE]

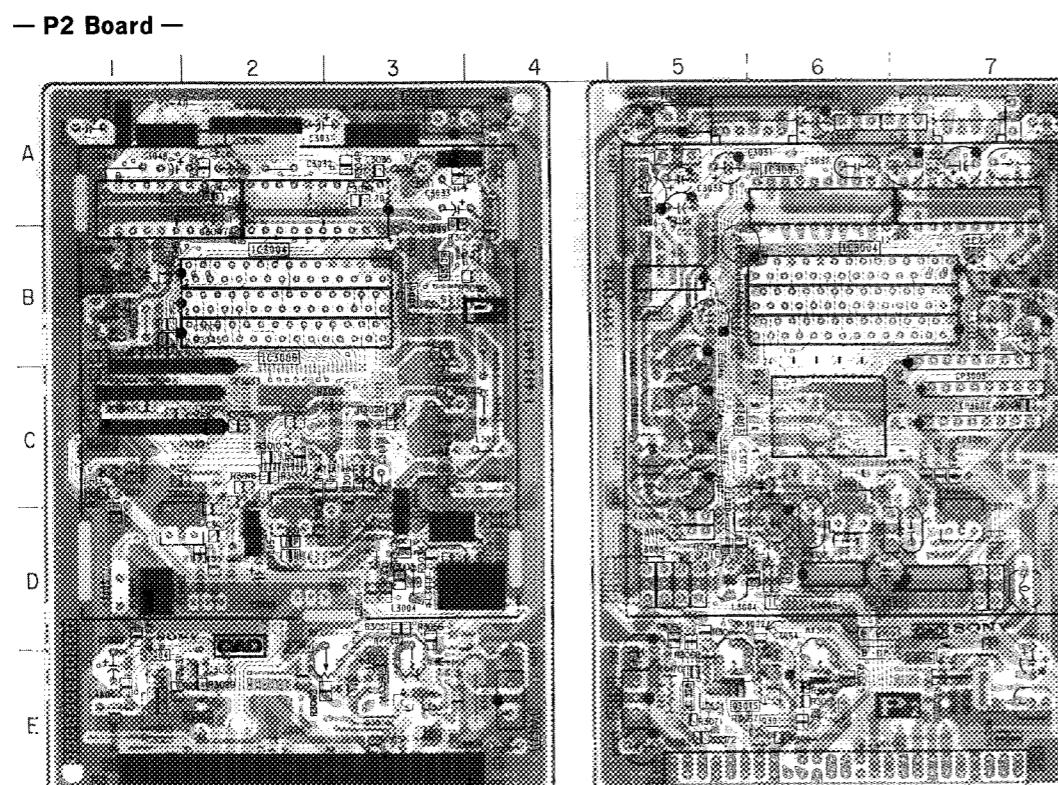
P2

[MPX PICTURE IN PICTURE CIRCUIT]

— E1 Board —

■ Pattern from the side which enables seeing

■ Pattern of the rear side

— P2 Board —

IC	
IC3001	D-6
IC3002	D-6
IC3003	C-6
IC3004	B-2
IC3005	A-2
IC3006	B-3
IC3007	B-5
IC3008	B-2
IC3009	A-1
IC3010	A-5
IC3011	E-4

TRANSISTOR	
Q3001	D-3
Q3002	D-6
Q3003	E-2
Q3004	E-1
Q3005	C-1
Q3006	E-7
Q3007	C-1
Q3008	B-1
Q3009	B-3
Q3010	E-3
Q3011	E-6
Q3012	E-6
Q3013	E-3
Q3014	E-5
Q3015	E-6

■ Pattern from the side which enables seeing

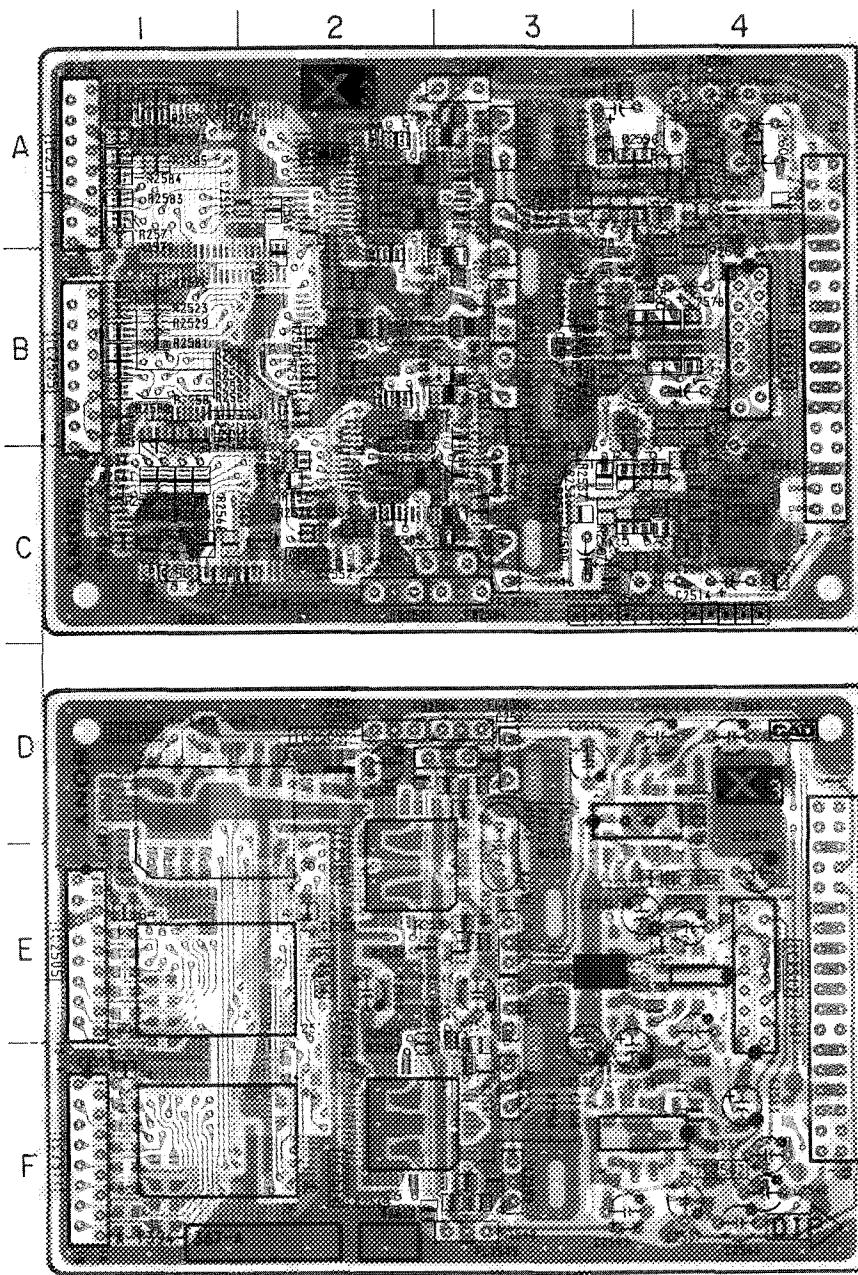
■ Pattern of the rear side

X3

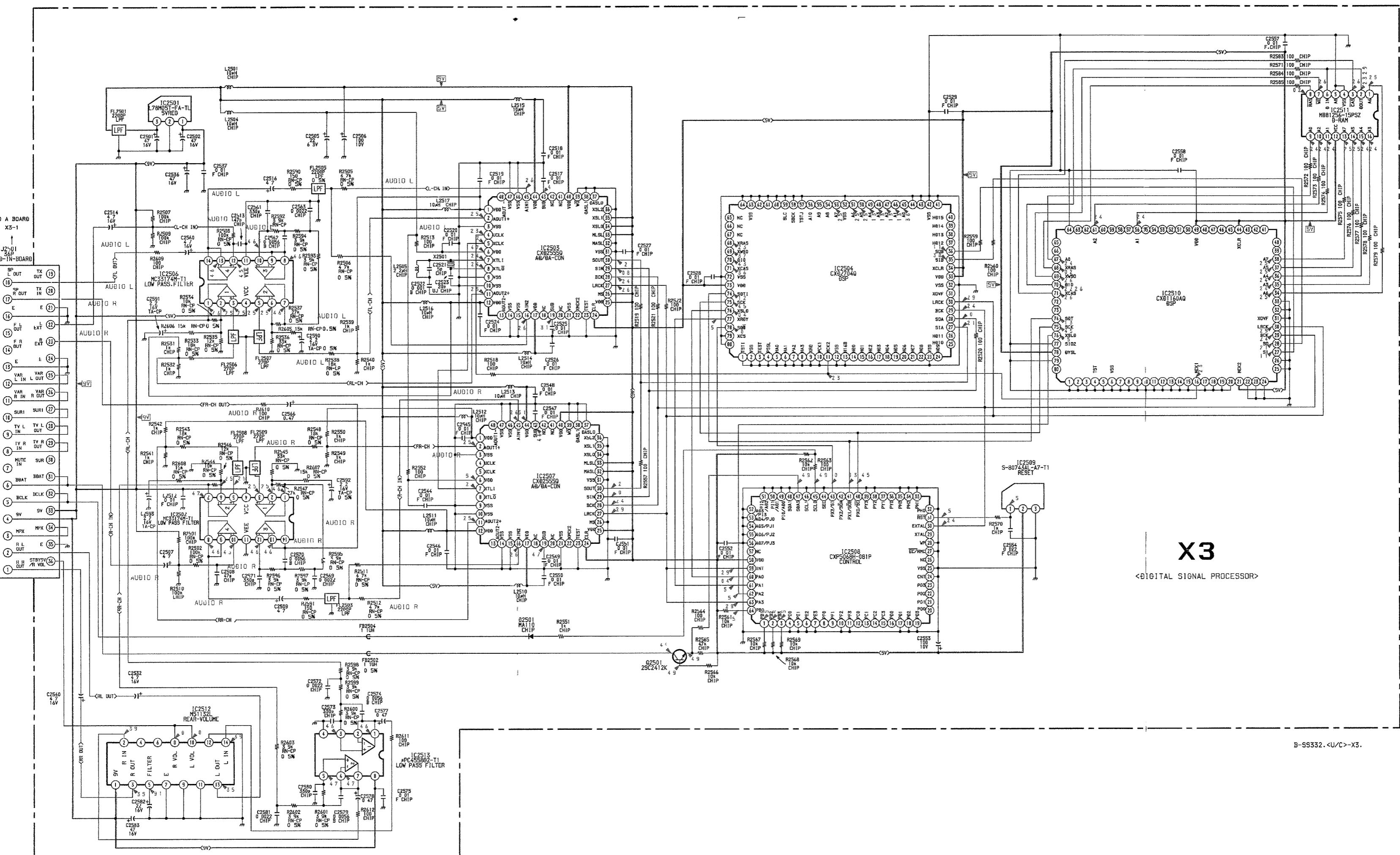
[DIGITAL SIGNAL PROCESSOR]

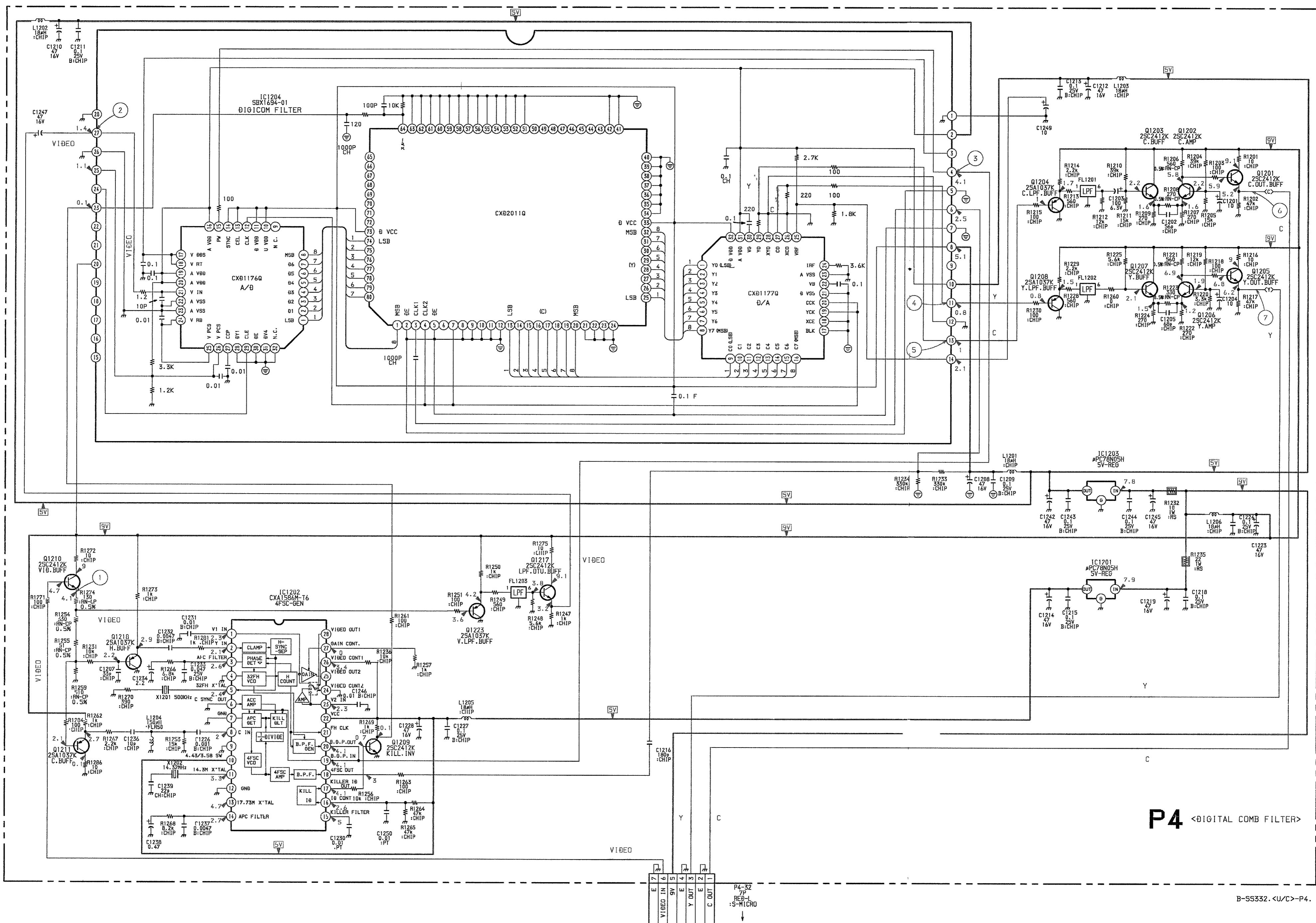
— X3 Board —

IC	
IC2501	E 3
IC2502	F 3
IC2503	E 2
IC2504	E 1
IC2506	D 3
IC2507	F 2
IC2508	D 1
IC2509	D 2
IC2510	F 1
IC2511	A 1
IC2512	E 4
IC2513	E 4
TRANSISTOR	
Q2501	C 1
DIODE	
D2501	C 2



◀ : Pattern from the side which enables seeing
▼ : Pattern of the rear side



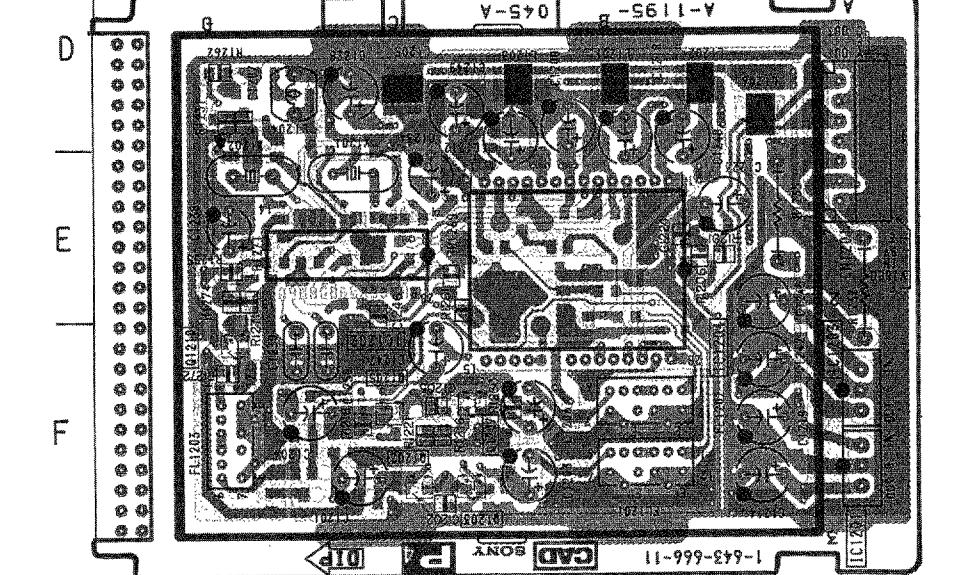
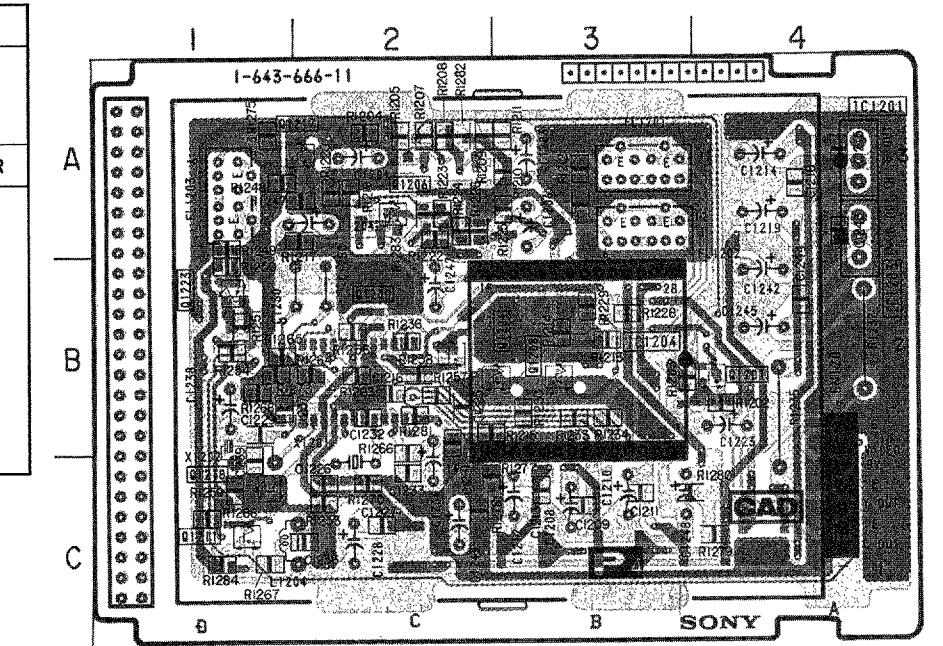


P4

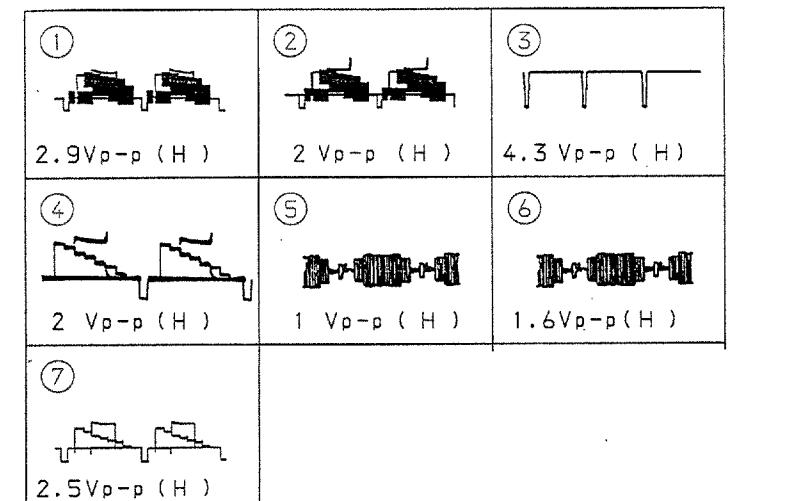
[DIGITAL COMB FILTER]

P4 Board

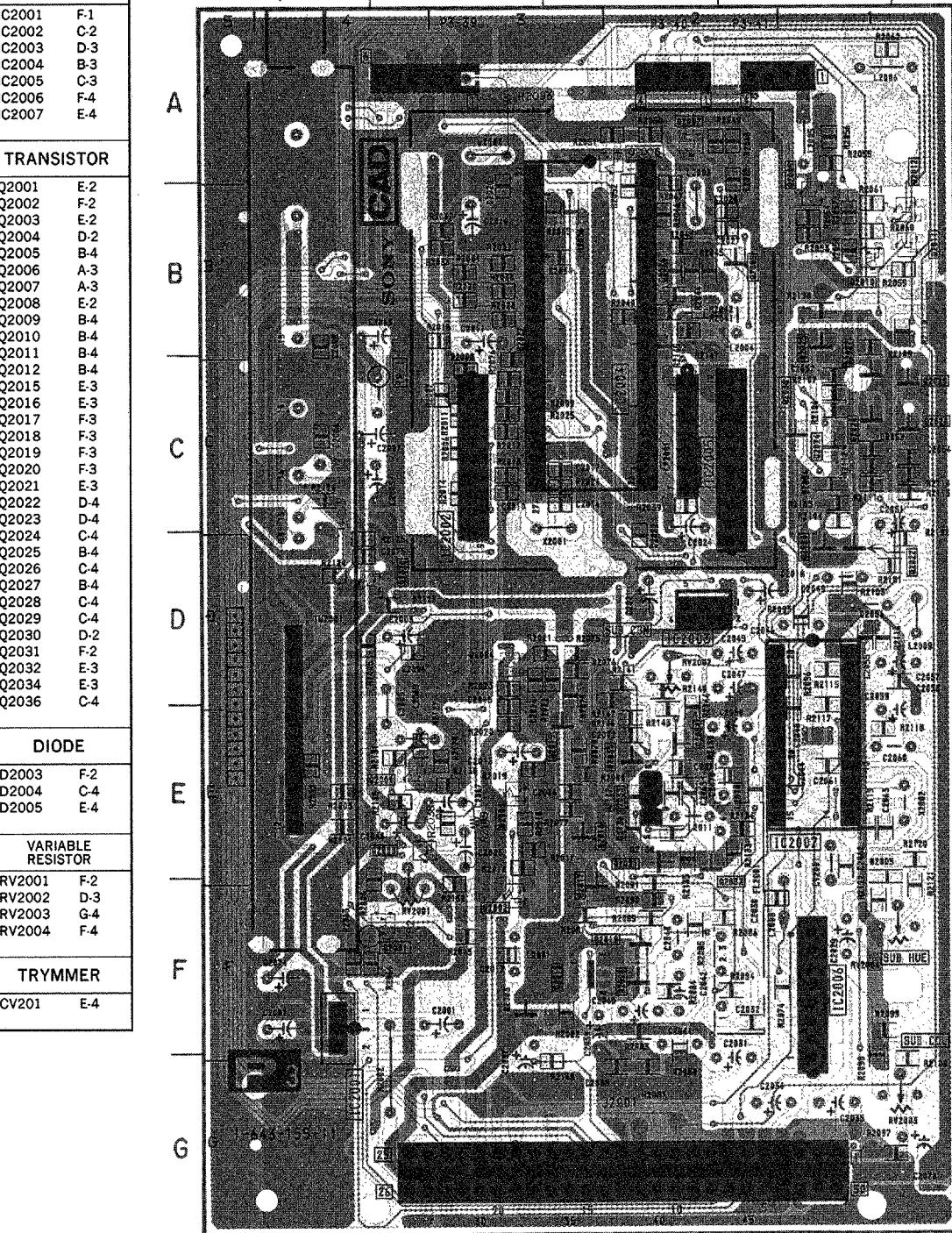
IC	
IC1201	F-4
IC1202	E-2
IC1203	F-2
IC1204	B-3
IC1205	C-3
IC1206	F-4
IC1207	E-2
IC1208	F-2
IC1209	B-3
IC1210	F-1
IC1211	C-1
IC1212	A-2
IC1213	C-1
IC1214	B-1

P4 Board

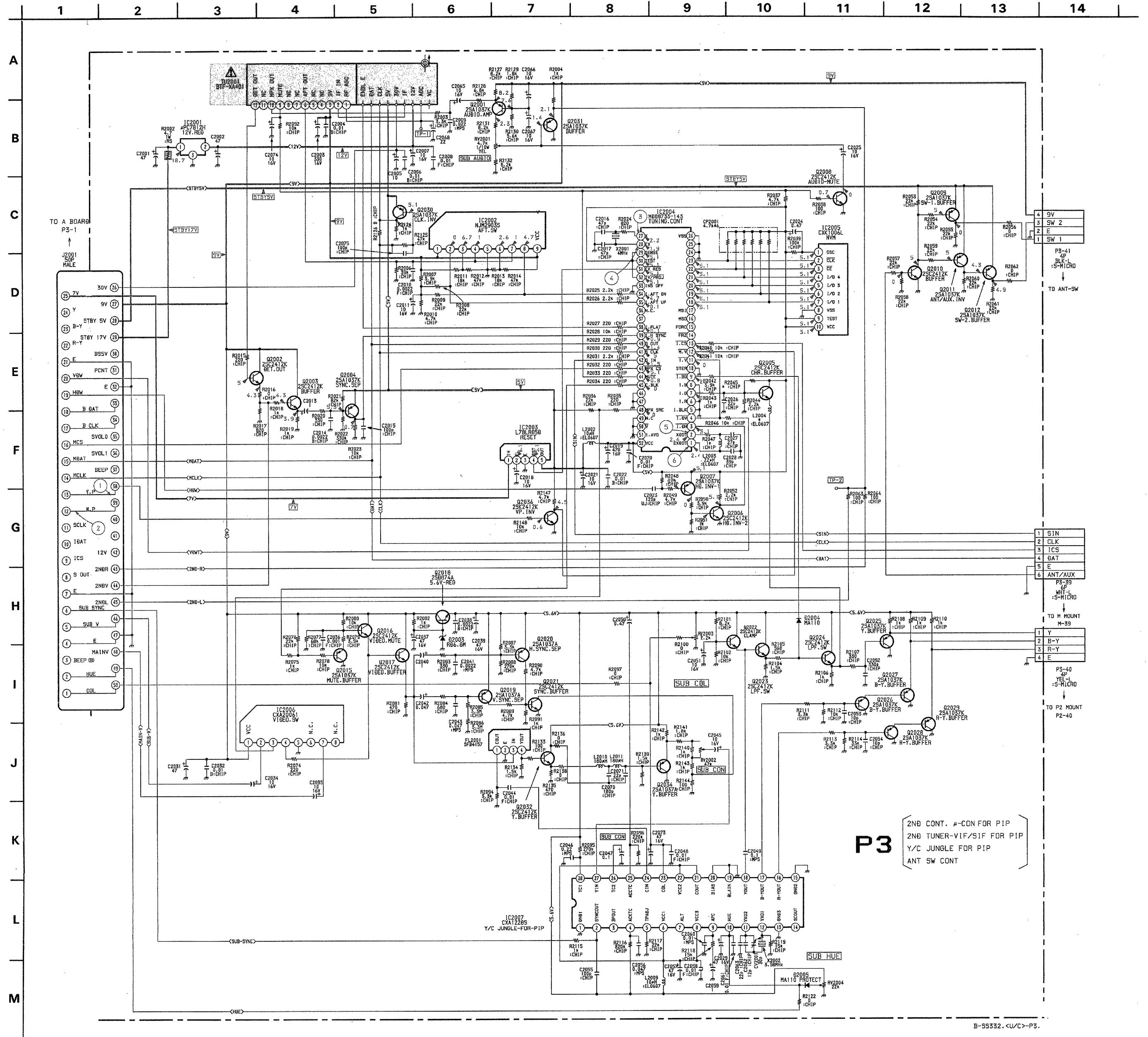
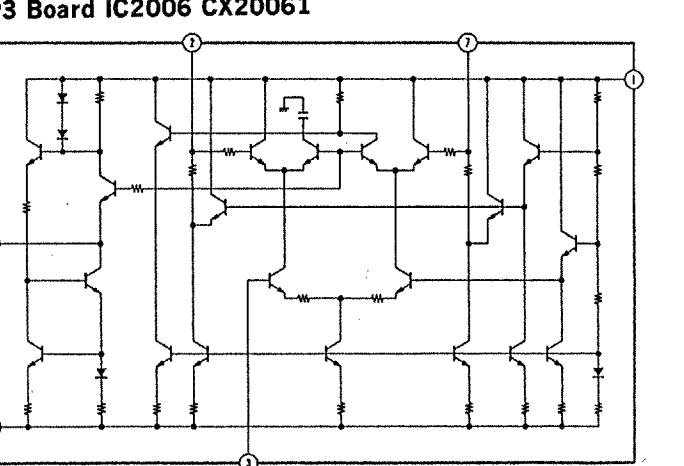
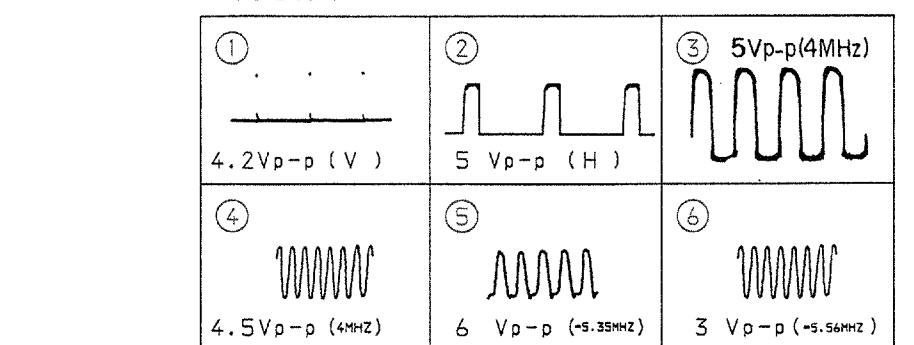
• White: Pattern from the side which enables seeing
• Black: Pattern of the rear side

P4 Board**P3**2SD CONT, μ-CON FOR PIP, ANT SW CONT
2ND TUNER-VIF/SIF FOR PIP, Y/C JUNGLE FOR PIP**P3 Board**

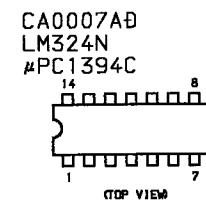
IC	
IC2001	F-1
IC2002	C-2
IC2003	D-3
IC2004	B-3
IC2005	C-3
IC2006	F-4
IC2007	E-4

P3 Board

• White: Pattern from the side which enables seeing
• Black: Pattern of the rear side

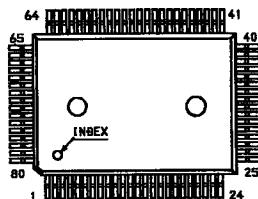
P3 Board

6-7. SEMICONDUCTORS

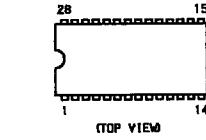


CXB1160AQ
CXB1220AQ
CXB2023Q
CXB2704Q
TMC73C247-10

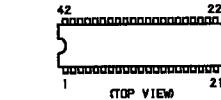
MARKING SIZE VIEW



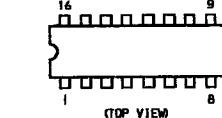
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CXA1268P



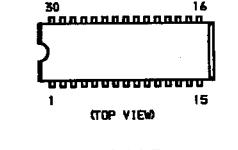
CXA1264AS
PA0036



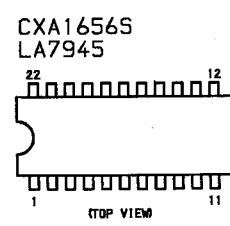
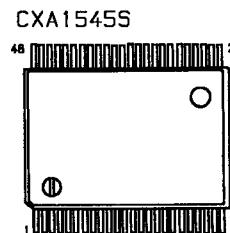
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CXA1315P
MC141053CP
 μ P84053BC



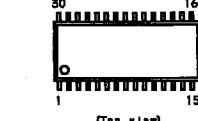
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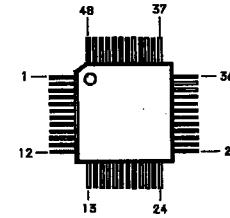
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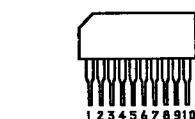
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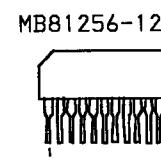
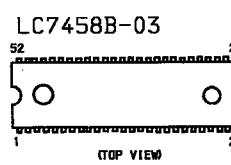
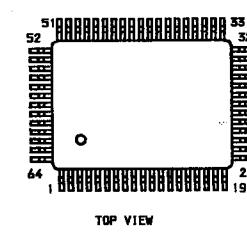
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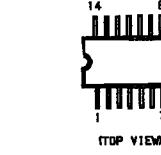
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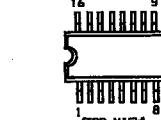
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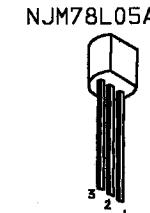
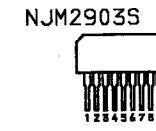
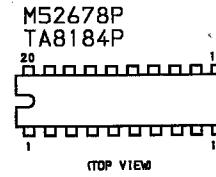
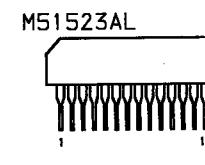
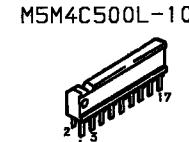
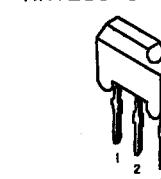
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MC74HC04AF
SN74HC05ANS



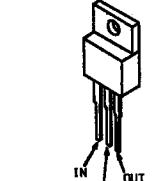
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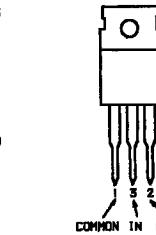
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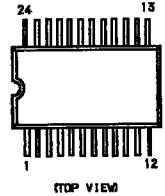
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TA7805S
TA7812S
 μ PC2415HF
 μ PC7893AH



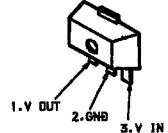
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NJM7915FA



PCA8510T/012-T



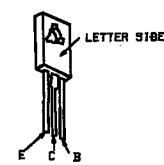
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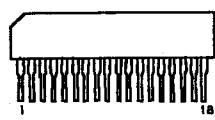
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IMZ1



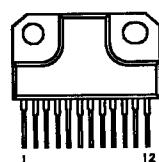
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2SC2611
2SC2688-LK



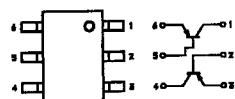
RBA-402



TA8200AH
TA8216H



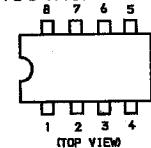
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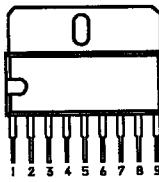
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2SB1094-LK
2SD1406-YGR



RC4558P
TL082CP
 μ PC393C
 μ PC4557C
24C04AI/P



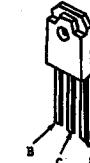
μ PC1498H



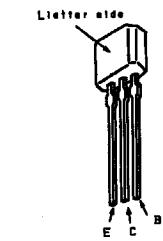
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2SA1837
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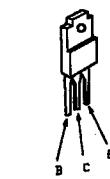
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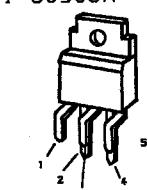
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2SC2785-HFE



2SC3298B-Y



SI-3090CA



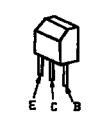
μ PC78N05H



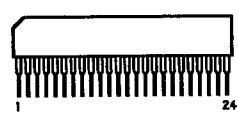
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2SC3733



STK-4278L

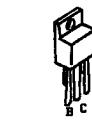


DTA124ES
DTC144ES
2SC3622A-LK

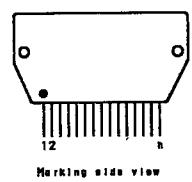


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2SC4891-CA
2SD1887-CA

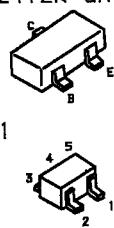
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STK4412

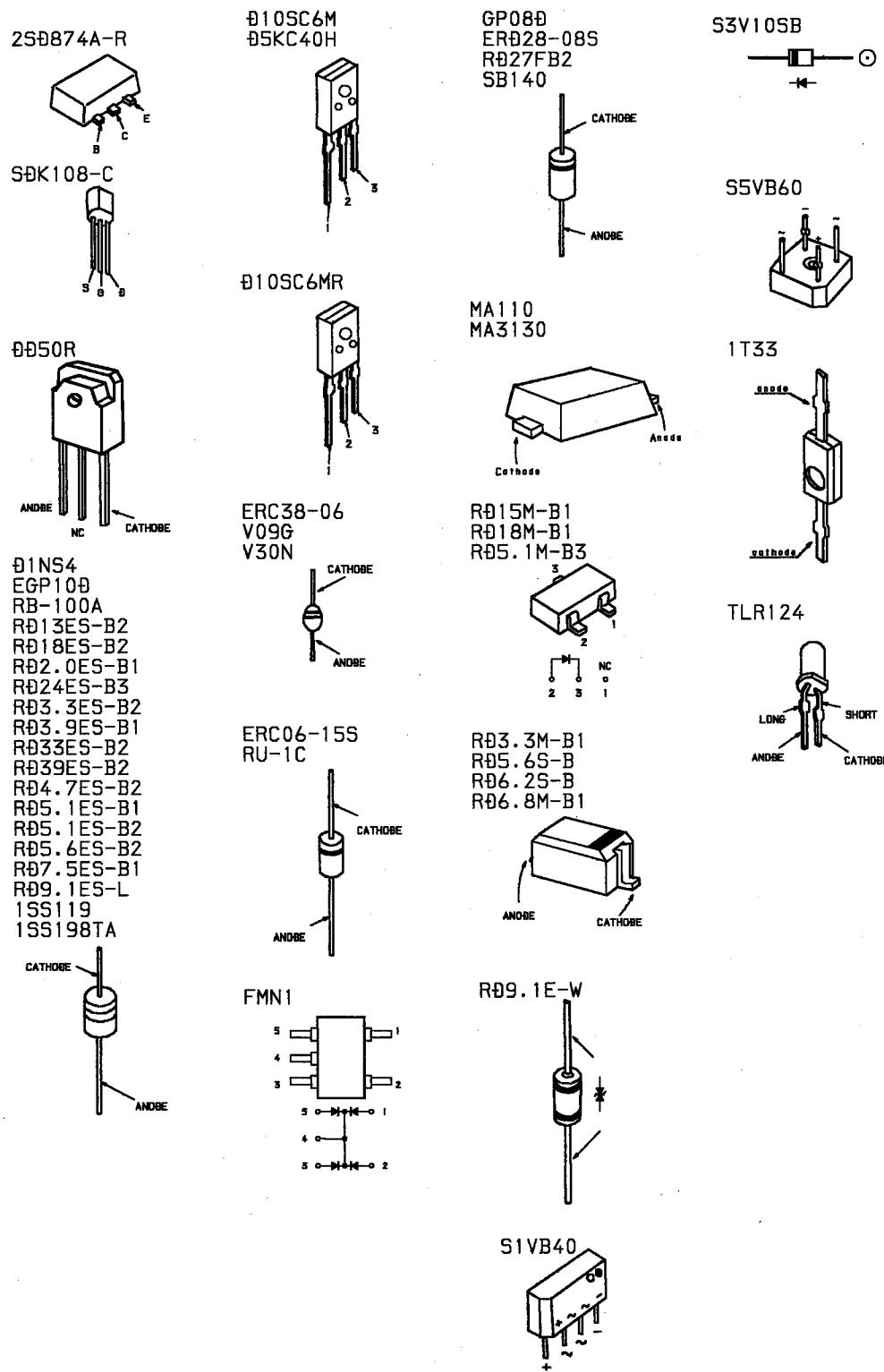


DTC144EK
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2SC1623-L5L6
2SC2412K-QR



FMW1





SECTION 7

EXPLODED VIEWS

NOTE:

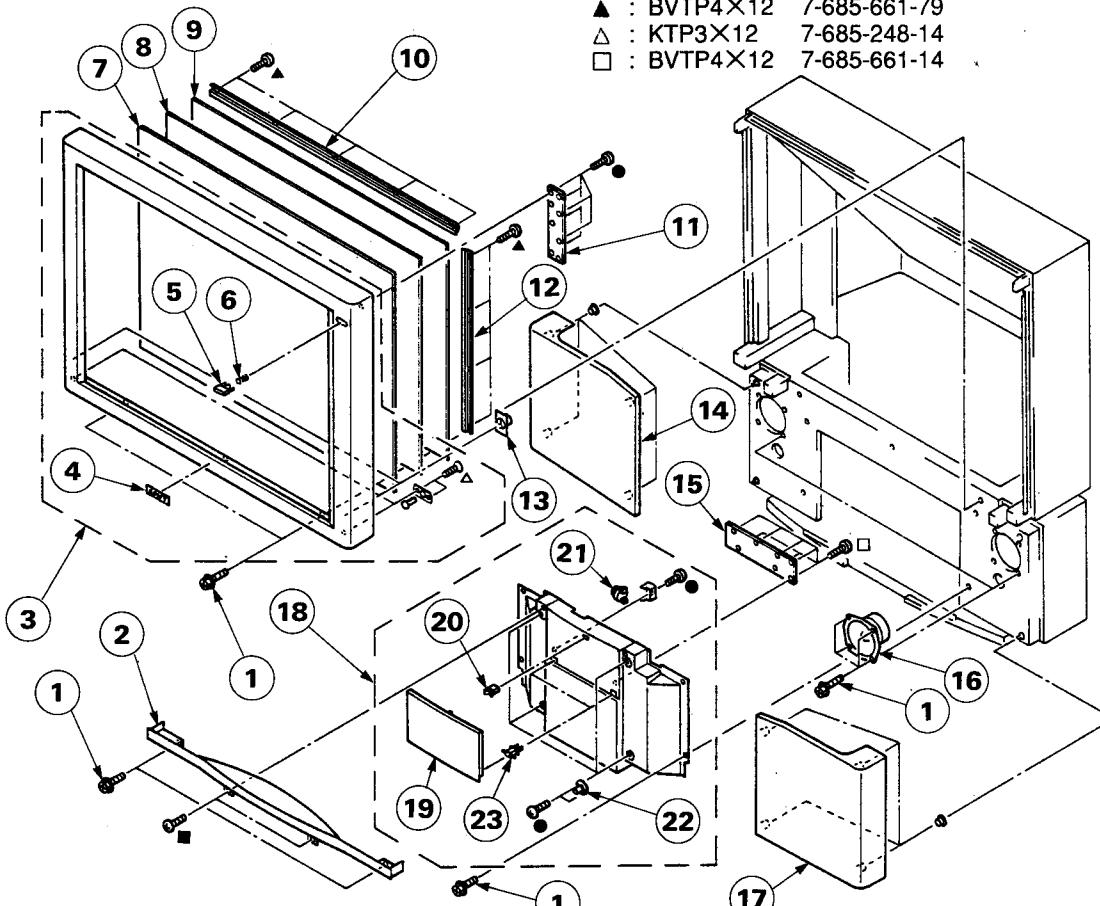
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

**7-1-1. SCREEN FRAME AND CONTROL PANEL
(KP-46XBR35/53XBR35 (US/CND))**

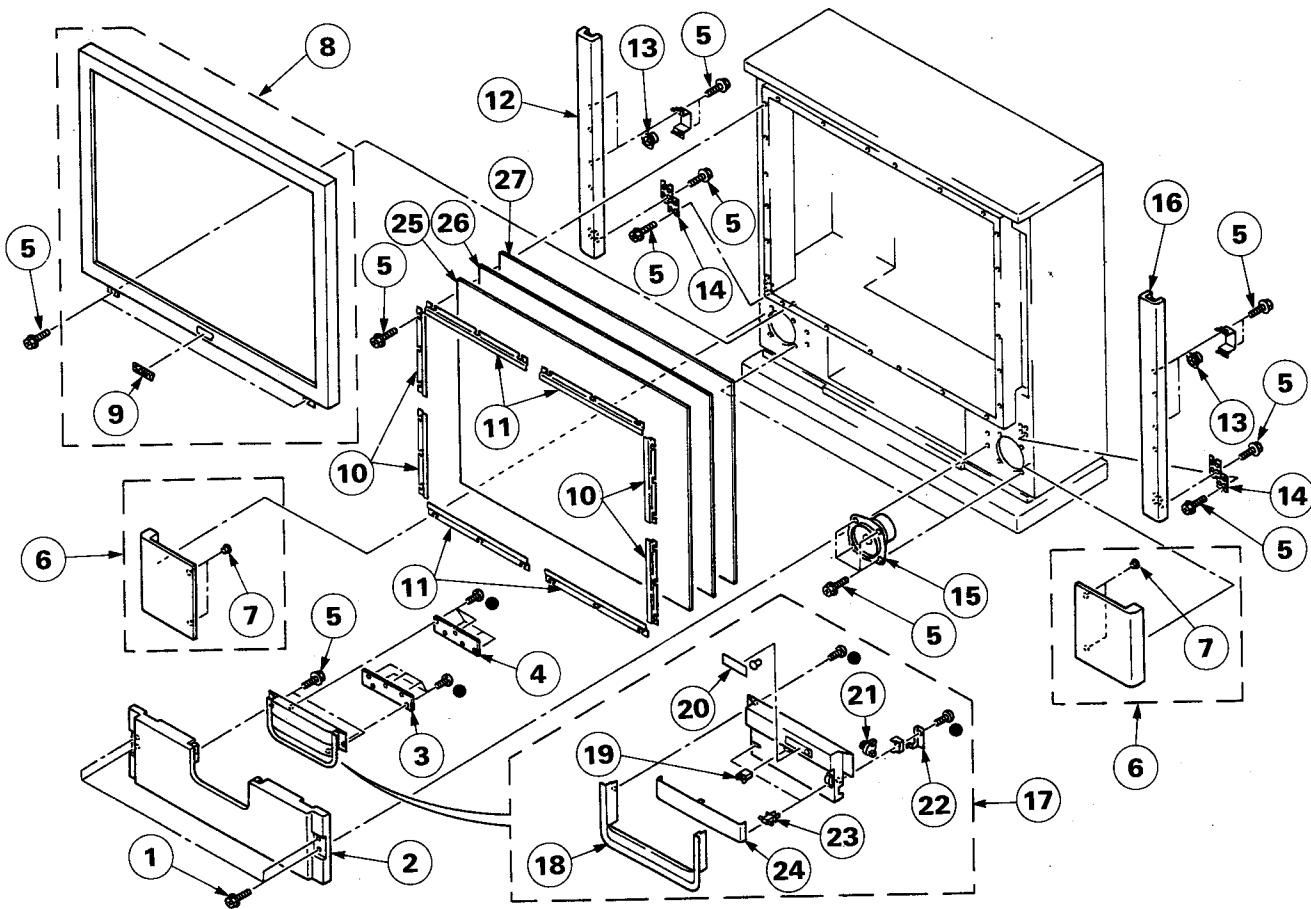
●	BVTP3X12	7-685-648-79
■	BVTP4X16	7-685-663-79
▲	BVTP4X12	7-685-661-79
△	KTP3X12	7-685-248-14
□	BVTP4X12	7-685-661-14



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
1	4-041-164-11	SCREW (4X20), TAPPING		11	*1-643-591-11	H1 BOARD		
2	4-036-470-01	ESCUTCHEON, FRONT		12	4-043-239-01	HOLDER (S), SCREEN		
3	X-4031-193-1	FRAME ASSY, SCREEN (KP-46XBR35)	4-6	13	1-544-580-21	SPEAKER (2.5CM)		
	X-4031-194-1	FRAME ASSY, SCREEN (KP-53XBR35(U/C))	4-6	14	X-4030-553-1	GRILLE (L) ASSY, SPEAKER (KP-53XBR35(U/C))		
4	4-381-079-01	EMBLEM (NO.10), SONY			X-4030-570-1	GRILLE (L) ASSY, SPEAKER (KP-46XBR35)		
5	4-036-523-01	BUTTON, POWER		15	*1-643-592-11	H2 BOARD		
6	3-566-903-00	SPRING		16	1-504-141-11	SPEAKER (13CM)		
7	4-043-235-01	FILTER (53), SCREEN (KP-53XBR35(U/C))		17	X-4030-552-1	GRILLE (R) ASSY, SPEAKER (KP-53XBR35(U/C))		
	4-043-238-01	FILTER (46), SCREEN (KP-46XBR35)			X-4030-569-1	GRILLE (R) ASSY, SPEAKER (KP-46XBR35)		
8	4-037-360-11	PLATE (L), DIFFUSION (KP-46XBR35)		18	X-4030-554-1	PANEL ASSY, CONTROL (KP-53XBR35(U/C))		
	4-036-466-01	PLATE (L), DIFFUSION (KP-53XBR35(U/C))			X-4030-571-1	PANEL ASSY, CONTROL (KP-46XBR35)		
9	4-037-359-11	PLATE (F), DIFFUSION (KP-46XBR35)		19	4-036-461-01	LID, CONTROL (KP-46XBR35)		
	4-036-469-11	PLATE (F), DIFFUSION (KP-53XBR35(U/C))		20	4-036-475-01	LID, CONTROL (KP-53XBR35(U/C))		
10	4-043-240-01	HOLDER (L), SCREEN (UNDER) (KP-46XBR35)			20	4-392-036-01	CATCHER, PUSH	
	4-043-240-11	HOLDER (L), SCREEN (UNDER) (KP-53XBR35(U/C))		21	3-721-204-01	DAMPER (KP-53XBR35(U/C))		
	4-043-240-21	HOLDER (L), SCREEN (TOP) (KP-46XBR35)			3-721-204-21	DAMPER (KP-46XBR35)		
	4-043-240-31	HOLDER (L), SCREEN (TOP) (KP-53XBR35(U/C))		22	4-843-806-00	STRIKE		
				23	3-703-035-12	SHAFT, LID		

7-1-2. SCREEN FRAME AND CONTROL PANEL (KP-61XBR38)

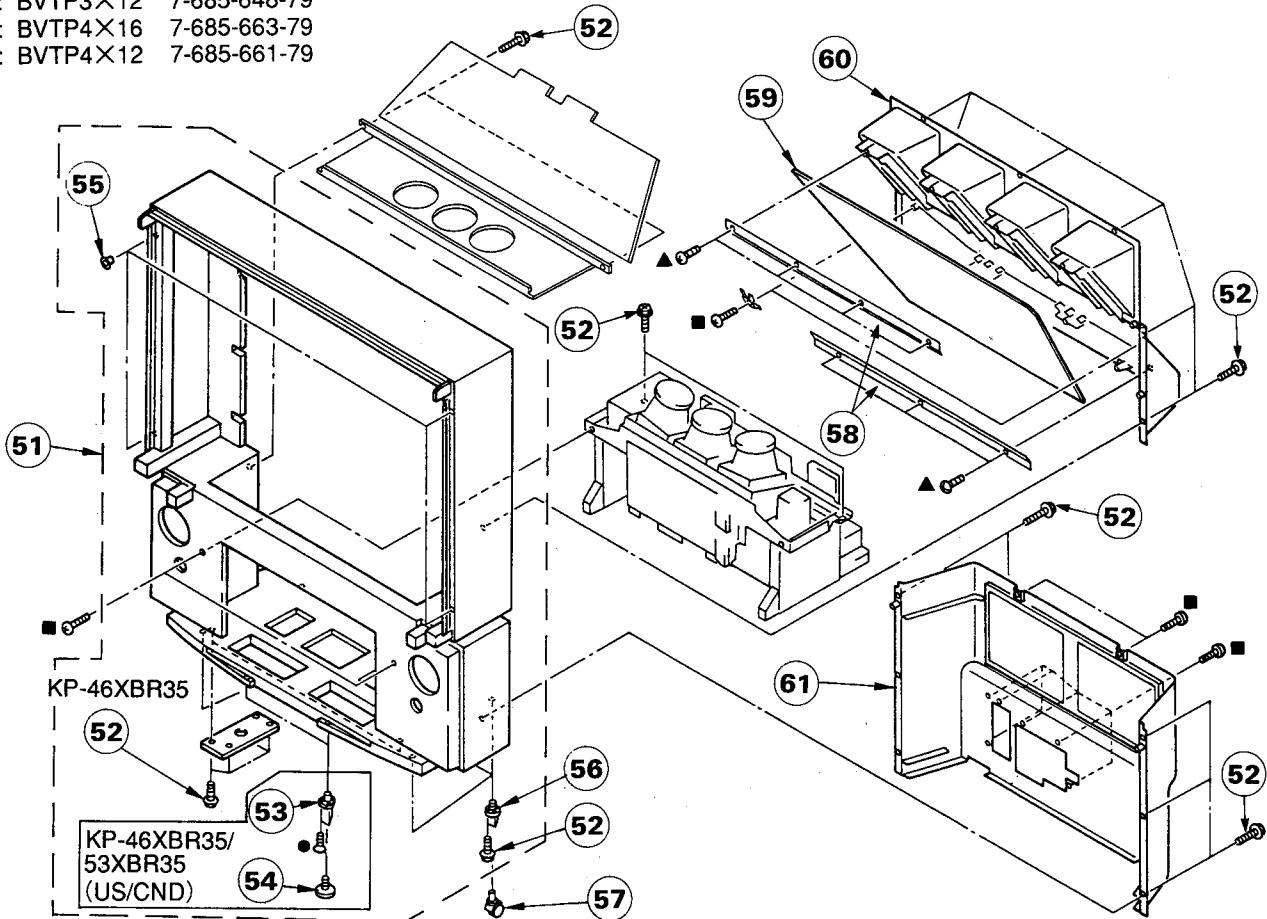
● : BVTP3X12 7-685-648-79



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-378-522-21	SCREW, TAPPING, HEXAGON HEAD		16	X-4031-173-1	GRILLE (T/R) ASSY, SPEAKER	
2	X-4031-228-1	PANEL ASSY, FRONT		17	X-4031-179-1	PANEL ASSY, CONTROL	18-24
3	*1-643-592-11	H2 BOARD		18	4-040-584-01	COVER, EDGE	
4	*1-643-591-11	H1 BOARD		19	4-392-036-01	CATCHER, PUSH	
5	4-041-164-11	SCREW (4X20), TAPPING		20	4-036-510-21	PANEL, INDICATOR	
6	X-4031-175-1	GRILLE (B) ASSY, SPEAKER	7	21	3-720-417-01	DAMPER, OIL	
7	4-838-438-00	LATCH		22	4-036-513-01	SPRING, LID	
8	X-4031-177-1	FRAME ASSY, SCREEN	9	23	3-703-035-12	SHAFT, LID	
9	4-381-079-01	EMBLEM (NO.10), SONY		24	4-036-511-21	LID, CONTROL	
10	*4-044-727-01	HOLDER (S), SCREEN		25	4-044-725-11	FILTER, SCREEN	
11	*4-044-726-01	HOLDER (L), SCREEN		26	4-040-124-11	PLATE (L), DIFFUSION	
12	X-4031-174-1	GRILLE (T/L) ASSY, SPEAKER		27	4-040-123-11	PLATE (F), DIFFUSION	
13	1-504-312-11	SPEAKER (SQUAWKER) (5CM)					
14	*4-040-600-01	BRACKET, SPEAKER GRILLE					
15	1-504-313-11	SPEAKER (16CM)					

7-2. CABINET

- : BVTP3X12 7-685-648-79
- : BVTP4X16 7-685-663-79
- ▲ : BVTP4X12 7-685-661-79



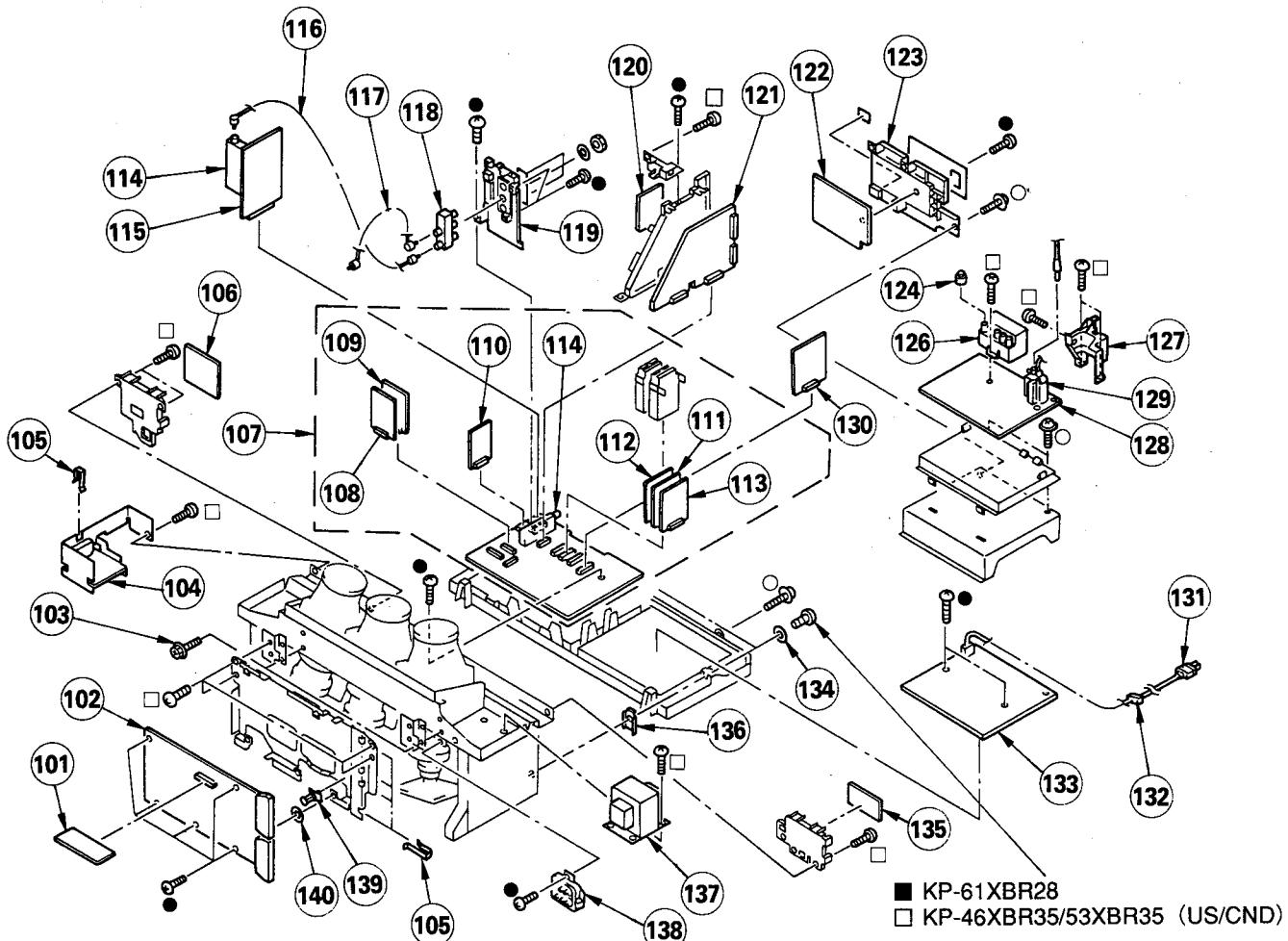
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4031-084-1	CABINET ASSY (KP-46XBR35)	52-54, 56	58	*4-037-351-01	HOLDER, MIRROR	
	X-4031-198-1	CABINET ASSY (KP-53XBR35(U/C))	52-54, 56	59	4-037-349-01	MIRROR (53), REFLECTION (KP-53XBR35(U/C))	
52	X-4031-887-1	CABINET ASSY (KP-61XBR38)	55, 56	4-037-534-01	MIRROR (46), REFLECTION (KP-46XBR35)		
	4-378-522-11	SCREW, TAPPING, HEXAGON HEAD (KP-61XBR38)		4-040-713-01	MIRROR (61), REFLECTION (KP-61XBR38)		
	4-041-164-11	SCREW (M4X20), TAPPING (KP-46XBR35/53XBR35(U/C))		60	4-036-462-01	COVER (46"), MIRROR (KP-46XBR35)	
	53	4-037-473-01 NUT, FITTING (KP-46XBR35/53XBR35(U/C))		4-036-474-01	COVER (53"), MIRROR (KP-53XBR35(U/C))/61XBR38)		
54	4-037-472-01	LEG, ADJUSTABLE (KP-46XBR35/53XBR35(U/C))		61	X-4030-549-1	COVER ASSY, BACK	
55	4-838-438-00	LATCH					
56	4-030-850-01	SOCKET, CASTER					
57	4-032-343-11	CASTER (KP-46XBR35/53XBR35(U/C))					
	4-040-508-11	CASTER (KP-61XBR38)					

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

7-3. CHASSIS

- : BVTP3×12 7-685-648-79
- : BVTP4×16 7-685-663-79
- : PSW4×14 7-682-663-09
- : BVTP4×12 7-685-661-14



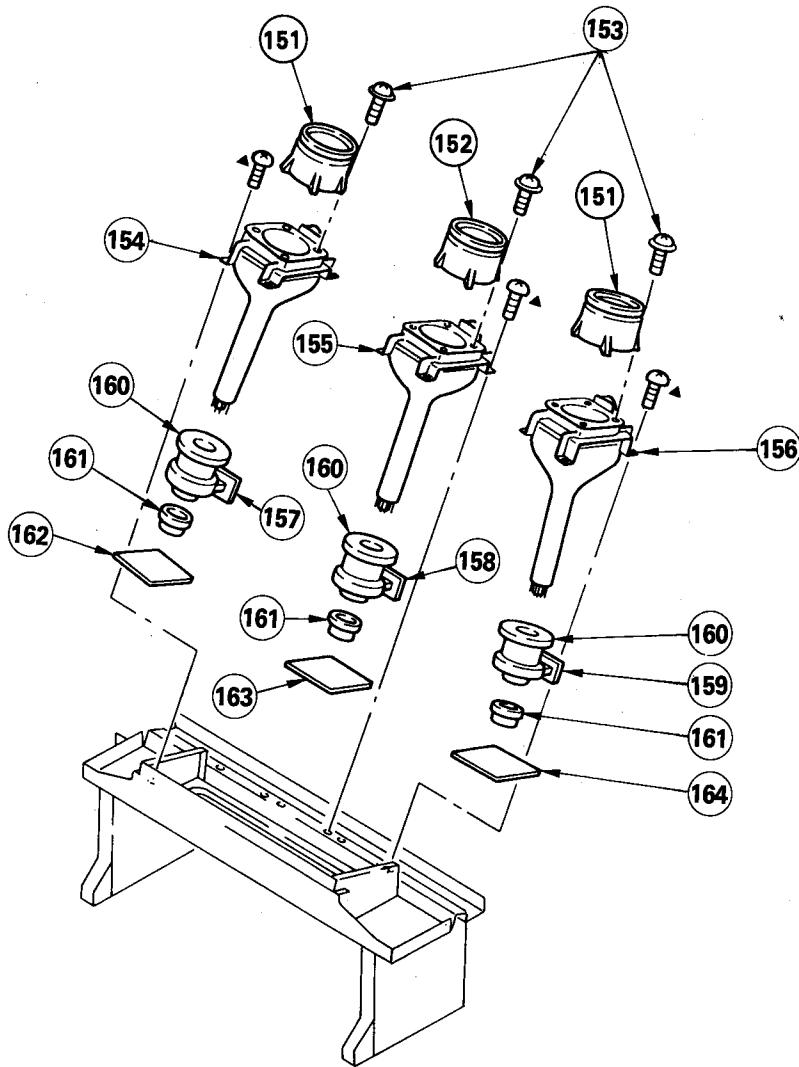
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	*1-650-883-11	DS BOARD		120	*A-1195-065-A	P4 BOARD, COMPLETE	
102	*A-1341-726-A	D BOARD, COMPLETE		121	*A-1394-429-A	U BOARD, COMPLETE	
103	4-041-164-11	SCREW (4X20), TAPPING		122	*A-1394-434-A	UT BOARD, COMPLETE	
104	*1-644-632-11	YA BOARD		123	4-036-138-11	PANEL, MAIN CONNECTOR	
105	*4-393-401-11	SPRING, TRANSISTOR		124	4-373-137-01	CAP (Z), RUBBER	
106	*A-1394-421-A	S BOARD, COMPLETE		126	Δ 1-453-108-11	DC BLOCK, HIGH-VOLTAGE	
107	*A-1297-104-A	A BOARD, COMPLETE (KP-53XBR35(U/C))	108-114	127	4-034-482-01	COVER, FBT	
	*A-1297-105-A	A BOARD, COMPLETE (KP-46XBR35/61XBR38)	108-114	128	*A-1390-351-A	N BOARD, COMPLETE	
108	*A-1394-442-A	Y2 BOARD, COMPLETE		129	Δ 1-453-121-11	TRANSFORMER ASSY, FLYBACK (NX-2630B4)	
109	*A-1394-446-A	X3 BOARD, COMPLETE		130	*A-1342-214-A	V BOARD, COMPLETE	
110	*A-1195-067-A	P2 BOARD, COMPLETE		131	Δ 1-696-002-12	CORD, POWER(WITH NOISE FILTER) 7.0A/125V	
111	*A-1346-136-A	E2 BOARD, COMPLETE		132	Δ 4-388-328-12	GROMMET, AC CORD	
112	*A-1306-435-A	M BOARD, COMPLETE		133	*A-1316-178-A	G BOARD, COMPLETE	
113	*A-1346-138-A	E1 BOARD, COMPLETE		134	4-042-667-01	WASHER, WAVE	
114	Δ 1-693-102-21	TUNER (BTF-XA401)		135	*1-664-633-11	YG BOARD	
115	*A-1195-069-A	P3 BOARD, COMPLETE		136	*4-040-487-01	SPACER	
116	*1-557-056-31	CABLE, P-P		137	Δ 1-423-311-21	TRANSFORMER, POWER	
117	*1-555-400-00	CABLE, PIN		138	Δ 1-241-744-11	RESISTOR ASSY (HIGH-VOLTAGE)	
118	1-417-178-11	SELECTOR, ANTENNA (AS-2)		139	*3-670-570-21	SPACER, SUPPORT	
119	4-036-137-01	PANEL, SUB CONNECTOR		140	4-866-147-00	WASHER	

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

7-4. PICTURE TUBE

▲ : BVTP4X12 7-685-661-79



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	4-034-057-11	LENS (LINNIT) (KP-46XBR35/53XBR35(U/C))		156	▲8-736-635-05	PICTURE TUBE 07MK3(B)	
	4-040-131-01	LENS (LINNIT) (KP-61XBR38)			▲8-736-640-05	PICTURE TUBE 07MK2(B) (KP-61XBR38)	
152	4-034-057-01	LENS (LINNIT) (KP-46XBR35/53XBR35(U/C))		157	*A-1390-340-A	ZR BOARD, COMPLETE	
	4-040-131-11	LENS (LINNIT) (KP-61XBR38)		158	*A-1390-346-A	ZG BOARD, COMPLETE	
153	3-701-810-91	SCREW, TERMINAL		159	*A-1390-347-A	ZB BOARD, COMPLETE	
154	▲8-736-636-05	PICTURE TUBE 07MK3(R)	(KP-46XBR35/53XBR35(U/C))	160	▲1-451-396-21	DEFLECTION YOKE (Y936PA)	
	▲8-736-641-05	PICTURE TUBE 07MK2(R) (KP-61XBR38)		161	▲1-452-443-13	NECK ASSY, PICTURE TUBE (NA367)	
155	▲8-736-634-05	PICTURE TUBE 07MK3(G)		162	*A-1331-259-A	CR BOARD, COMPLETE	
				163	*A-1331-260-A	CG BOARD, COMPLETE	
				164	*A-1331-261-A	CB BOARD, COMPLETE	

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NOTE:

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

MF : μ F, PF : μ PF MMH : mH, UH : μ H

- The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- * : Selected to yield optimum performance.
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
*A-1195-065-A	P4 BOARD, COMPLETE	*****		C1253	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
				C1254	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
				C1255	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
				C1256	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	
<CAPACITOR>								
C1201	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				
C1202	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V				
C1203	1-163-105-00	CERAMIC CHIP 33PF	5%	50V				
C1204	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V				
C1205	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V				
C1206	1-163-093-00	CERAMIC CHIP 10PF	5%	50V				
C1207	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				
C1208	1-163-237-11	CERAMIC CHIP 27PF	5%	50V				
C1210	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V				
C1211	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				
C1213	1-126-154-11	ELECT 47MF	20%	6.3V				
C1214	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1215	1-126-154-11	ELECT 47MF	20%	6.3V				
C1216	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1217	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1218	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	L1201	1-408-423-00	INDUCTOR	150UH
C1219	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	L1202	1-414-042-21	INDUCTOR	18UH
C1220	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	L1205	1-414-042-21	INDUCTOR	18UH
C1221	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1222	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1223	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1224	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1225	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1226	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1227	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1228	1-126-154-11	ELECT 47MF	20%	6.3V	P4-32 *1-564-522-11	PLUG, CONNECTOR 7P		
C1229	1-126-157-11	ELECT 10MF	20%	6.3V				
C1230	1-126-157-11	ELECT 10MF	20%	6.3V				
C1231	1-126-157-11	ELECT 10MF	20%	6.3V				
C1232	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V				
C1233	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1234	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1203	8-729-216-22	TRANSISTOR 2SA1162-G	
C1235	1-124-257-00	ELECT 2.2MF	20%	50V	Q1204	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1237	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1238	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1239	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1207	8-729-216-22	TRANSISTOR 2SA1162-G	
C1240	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	Q1208	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1241	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	Q1209	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1242	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	Q1211	8-729-216-22	TRANSISTOR 2SA1162-G	
C1243	1-126-177-11	ELECT 100MF	20%	6.3V	Q1212	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1245	1-126-157-11	ELECT 10MF	20%	6.3V	Q1213	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1246	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q1214	8-729-216-22	TRANSISTOR 2SA1162-G	
C1249	1-126-157-11	ELECT 10MF	20%	6.3V	Q1215	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C1250	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1218	8-729-216-22	TRANSISTOR 2SA1162-G	
C1251	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q1220	8-729-901-01	TRANSISTOR DTC144EK	
C1252	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	Q1205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>								
R1201	1-216-049-00	METAL GLAZE	1K	5%	1/10W			
R1202	1-216-001-00	METAL GLAZE	10	5%	1/10W			
R1203	1-216-025-00	METAL GLAZE	100	5%	1/10W			
R1204	1-216-630-11	METAL CHIP	130	0.50%	1/10W			
R1205	1-216-639-11	METAL CHIP	330	0.50%	1/10W			

P4

P3

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK			
R1206	1-216-620-11	METAL CHIP	51 0.50%	1/10W	R1284	1-216-025-00	METAL GLAZE	100 5%	1/10W	
R1207	1-216-025-00	METAL GLAZE	100 5%	1/10W	X1201	1-577-611-11	OCSILALTOR, CERAMIC			
R1208	1-216-025-00	METAL GLAZE	100 5%	1/10W	X1202	1-567-878-11	VIBRATOR, CRYSTAL			
R1209	1-216-635-11	METAL CHIP	220 0.50%	1/10W	<CRYSTAL>					
R1210	1-216-049-00	METAL GLAZE	1K 5%	1/10W	X1203	1-577-611-11	OCSILALTOR, CERAMIC			
R1211	1-216-043-00	METAL GLAZE	560 5%	1/10W	X1204	1-567-878-11	VIBRATOR, CRYSTAL			
R1212	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W	*****					
R1213	1-216-001-00	METAL GLAZE	10 5%	1/10W	*****					
R1214	1-216-049-00	METAL GLAZE	1K 5%	1/10W	*A-1195-069-A P3 BOARD, COMPLETE					
R1215	1-216-069-00	METAL GLAZE	6.8K 5%	1/10W	*****					
R1216	1-216-041-00	METAL GLAZE	470 5%	1/10W	C2001	1-124-910-11	ELECT	47MF	20%	50V
R1217	1-216-077-00	METAL GLAZE	15K 5%	1/10W	C2002	1-124-910-11	ELECT	47MF	20%	50V
R1218	1-216-661-11	METAL CHIP	2.7K 0.50%	1/10W	C2003	1-124-119-00	ELECT	330MF	20%	16V
R1219	1-216-657-11	METAL CHIP	1.8K 0.50%	1/10W	C2004	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
R1220	1-216-657-11	METAL CHIP	1.8K 0.50%	1/10W	C2005	1-124-261-00	ELECT	10MF	20%	50V
R1221	1-216-023-00	METAL GLAZE	82 5%	1/10W	C2006	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
R1222	1-216-103-91	METAL GLAZE	180K 5%	1/10W	C2007	1-126-157-11	ELECT	10MF	20%	16V
R1223	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C2008	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V
R1224	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C2009	1-136-157-00	FILM	0.022MF	5%	50V
R1225	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W	C2010	1-164-161-11	CERAMIC CHIP	0.0022MF		
R1226	1-216-666-11	METAL CHIP	4.3K 0.50%	1/10W	C2011	1-126-157-11	ELECT	10MF	20%	16V
R1228	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C2013	1-126-301-11	ELECT	1MF	20%	50V
R1229	1-216-043-00	METAL GLAZE	560 5%	1/10W	C2014	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
R1230	1-216-075-00	METAL GLAZE	12K 5%	1/10W	C2015	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R1231	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C2016	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
R1232	1-216-689-11	METAL GLAZE	39K 5%	1/10W	C2017	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
R1233	1-216-077-00	METAL GLAZE	15K 5%	1/10W	C2018	1-124-465-00	ELECT	0.47MF	20%	50V
R1234	1-216-035-00	METAL GLAZE	270 5%	1/10W	C2019	1-126-103-11	ELECT	470MF	20%	16V
R1235	1-216-037-00	METAL GLAZE	330 5%	1/10W	C2020	1-163-031-11	CERAMIC CHIP	0.01MF		
R1238	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C2021	1-126-157-11	ELECT	10MF	20%	16V
R1239	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C2022	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
R1241	1-216-035-00	METAL GLAZE	270 5%	1/10W	C2023	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
R1242	1-216-043-00	METAL GLAZE	560 5%	1/10W	C2024	1-124-465-00	ELECT	0.47MF	20%	50V
R1243	1-216-689-11	METAL GLAZE	39K 5%	1/10W	C2025	1-126-157-11	ELECT	10MF	20%	16V
R1244	1-216-025-00	METAL GLAZE	100 5%	1/10W	C2026	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
R1245	1-216-001-00	METAL GLAZE	10 5%	1/10W	C2027	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
R1246	1-216-077-00	METAL GLAZE	15K 5%	1/10W	C2028	1-163-107-00	CERAMIC CHIP	39PF	5%	50V
R1247	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C2029	1-124-477-11	ELECT	47MF	20%	16V
R1248	1-216-635-11	METAL CHIP	220 0.50%	1/10W	C2031	1-124-910-11	ELECT	47MF	20%	50V
R1249	1-216-025-00	METAL GLAZE	100 5%	1/10W	C2032	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
R1250	1-216-043-00	METAL GLAZE	560 5%	1/10W	C2034	1-126-157-11	ELECT	10MF	20%	16V
R1251	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C2035	1-126-157-11	ELECT	10MF	20%	16V
R1252	1-216-295-00	METAL GLAZE	0 5%	1/10W	C2036	1-163-025-11	CERAMIC CHIP	0.001MF		
R1253	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W	C2037	1-124-477-11	ELECT	47MF	20%	16V
R1254	1-216-035-00	METAL GLAZE	270 5%	1/10W	C2038	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
R1255	1-216-639-11	METAL CHIP	330 0.50%	1/10W	C2039	1-124-477-11	ELECT	47MF	20%	16V
R1256	1-216-035-00	METAL GLAZE	270 5%	1/10W	C2040	1-124-903-11	ELECT	1MF	20%	50V
R1257	1-216-645-11	METAL CHIP	560 0.50%	1/10W	C2041	1-137-366-11	FILM	0.0022MF	5%	50V
R1258	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C2042	1-124-902-00	ELECT	0.47MF	20%	50V
R1259	1-216-644-11	METAL CHIP	510 0.50%	1/10W	C2043	1-136-161-00	FILM	0.047MF	5%	50V
R1260	1-216-075-00	METAL GLAZE	12K 5%	1/10W	C2044	1-163-031-11	CERAMIC CHIP	0.01MF		
R1261	1-216-025-00	METAL GLAZE	100 5%	1/10W	C2045	1-126-157-11	ELECT	10MF	20%	16V
R1262	1-216-049-00	METAL GLAZE	1K 5%	1/10W	C2046	1-136-169-00	FILM	0.22MF	5%	50V
R1263	1-216-025-00	METAL GLAZE	100 5%	1/10W	C2047	1-124-463-00	ELECT	0.1MF	20%	50V
R1264	1-216-025-00	METAL GLAZE	100 5%	1/10W	C2048	1-163-031-11	CERAMIC CHIP	0.01MF		
R1265	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	C2049	1-136-165-00	FILM	0.1MF	5%	50V
R1266	1-216-001-00	METAL GLAZE	10 5%	1/10W	C2050	1-124-902-00	ELECT	0.47MF	20%	50V
R1267	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C2051	1-126-157-11	ELECT	10MF	20%	16V
R1268	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C2052	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
R1269	1-216-049-00	METAL GLAZE	1K 5%	1/10W	C2053	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
R1270	1-216-295-00	METAL GLAZE	0 5%	1/10W						
R1273	1-216-049-00	METAL GLAZE	1K 5%	1/10W						
R1274	1-216-295-00	METAL GLAZE	0 5%	1/10W						
R1276	1-216-295-00	METAL GLAZE	0 5%	1/10W						

P3

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
C2054	1-163-093-00	CERAMIC CHIP 10PF	5%	50V		<CONNECTOR>					
C2055	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	P3-39	*1-564-521-11 PLUG, CONNECTOR 6P					
C2056	1-136-161-00	FILM 0.047MF	5%	50V	P3-40	*1-564-519-11 PLUG, CONNECTOR 4P					
C2057	1-124-477-11	ELECT 47MF	20%	16V	P3-41	*1-564-519-11 PLUG, CONNECTOR 4P					
C2058	1-163-031-11	CERAMIC CHIP 0.01MF		50V		<TRANSISTOR>					
C2059	1-136-177-00	FILM 1MF	5%	50V	Q2001	8-729-216-22 TRANSISTOR 2SA1162-G					
C2060	1-136-153-00	FILM 0.01MF	5%	50V	Q2002	8-729-120-28 TRANSISTOR 2SC1623-L5L6					
C2061	1-163-031-11	CERAMIC CHIP 0.01MF		50V	Q2003	8-729-120-28 TRANSISTOR 2SC1623-L5L6					
C2062	1-163-095-00	CERAMIC CHIP 12PF	5%	50V	Q2004	8-729-216-22 TRANSISTOR 2SA1162-G					
C2063	1-163-101-00	CERAMIC CHIP 22PF	5%	50V	Q2005	8-729-120-28 TRANSISTOR 2SC1623-L5L6					
C2064	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	Q2006	8-729-120-28 TRANSISTOR 2SC1623-L5L6					
C2065	1-126-320-11	ELECT 10MF	20%	16V	Q2007	8-729-216-22 TRANSISTOR 2SA1162-G					
C2066	1-126-157-11	ELECT 10MF	20%	16V	Q2008	8-729-920-74 TRANSISTOR 2SC2412K-QR					
C2067	1-126-157-11	ELECT 10MF	20%	16V	Q2009	8-729-216-22 TRANSISTOR 2SA1162-G					
C2068	1-124-916-11	ELECT 22MF	20%	50V	Q2010	8-729-120-28 TRANSISTOR 2SC1623-L5L6					
C2070	1-163-257-11	CERAMIC CHIP 180PF	5%	50V	Q2011	8-729-216-22 TRANSISTOR 2SA1162-G					
C2073	1-124-477-11	ELECT 47MF	20%	16V	Q2012	8-729-216-22 TRANSISTOR 2SA1162-G					
C2075	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	Q2015	8-729-216-22 TRANSISTOR 2SA1162-G					
				Q2016	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
				Q2017	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
<NETWORK>											
CP2001	1-236-472-11	NETWORK, RES, THICK FILM		Q2018	8-729-420-81 TRANSISTOR 2SD874A-R						
<TRIMMER>											
CV2001	1-141-245-00	CAP, TRIMMER		Q2019	8-729-216-22 TRANSISTOR 2SA1162-G						
<DIODE>											
D2003	8-719-106-16	DIODE RD6.8M-B1		Q2020	8-729-216-22 TRANSISTOR 2SA1162-G						
D2004	8-719-404-46	DIODE MA110		Q2021	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
D2005	8-719-404-46	DIODE MA110		Q2022	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
D2006	8-719-105-45	DIODE RD3.3M-B1		Q2023	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
D2007	8-719-911-19	DIODE 1SS119		Q2024	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
<FILTER>											
FL2001	1-235-941-11	YC MODULE		Q2025	8-729-216-22 TRANSISTOR 2SA1162-G						
<IC>											
IC2001	8-759-231-58	IC TA7812S		Q2026	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2002	8-759-700-48	IC NJM2903S		Q2027	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2003	8-759-805-37	IC L78LR05D-MA		Q2028	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2004	8-759-066-51	IC MB88733-143		Q2029	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2005	8-759-803-25	IC CXK1006L		Q2030	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2006	8-752-006-12	IC CX20061		Q2031	8-729-216-22 TRANSISTOR 2SA1162-G						
IC2007	8-752-033-32	IC CXA1228S		Q2032	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
<JACK>											
J2001	*1-573-962-11	CONNECTOR (MALE) 50P		Q2033	8-729-600-12 TRANSISTOR 2SK108-C						
<COIL>											
L2002	1-410-663-31	INDUCTOR 10UH		Q2034	8-729-216-22 TRANSISTOR 2SA1162-G						
L2003	1-410-667-31	INDUCTOR 22UH		Q2035	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
L2004	1-410-663-31	INDUCTOR 10UH		Q2036	8-729-120-28 TRANSISTOR 2SC1623-L5L6						
L2009	1-410-663-31	INDUCTOR 10UH		<RESISTOR>							
L2010	1-410-677-31	INDUCTOR 180UH		R2002	Δ 1-216-357-91 METAL OXIDE 4.7 5% 1W F						
L2011	1-410-677-31	INDUCTOR 180UH		R2003	1-216-061-00 METAL GLAZE 3.3K 5% 1/10W						
				R2004	1-216-049-00 METAL GLAZE 1K 5% 1/10W						
				R2006	1-216-689-11 METAL GLAZE 39K 5% 1/10W						
				R2007	1-216-063-00 METAL GLAZE 3.9K 5% 1/10W						
				R2008	1-216-081-00 METAL GLAZE 22K 5% 1/10W						
				R2009	1-216-081-00 METAL GLAZE 22K 5% 1/10W						
				R2010	1-216-065-00 METAL GLAZE 4.7K 5% 1/10W						
				R2011	1-216-079-00 METAL GLAZE 18K 5% 1/10W						
				R2012	1-216-089-91 METAL GLAZE 47K 5% 1/10W						
				R2013	1-216-079-00 METAL GLAZE 18K 5% 1/10W						
				R2014	1-216-089-91 METAL GLAZE 47K 5% 1/10W						
				R2015	1-216-033-00 METAL GLAZE 220 5% 1/10W						
				R2016	1-216-295-00 METAL GLAZE 0 5% 1/10W						
				R2017	1-216-047-00 METAL GLAZE 820 5% 1/10W						
				R2018	1-216-049-00 METAL GLAZE 1K 5% 1/10W						
				R2019	1-216-049-00 METAL GLAZE 1K 5% 1/10W						
				R2020	1-216-037-00 METAL GLAZE 330 5% 1/10W						
				R2021	1-216-095-00 METAL GLAZE 82K 5% 1/10W						
				R2022	1-216-109-00 METAL GLAZE 330K 5% 1/10W						

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P3

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R2023	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2097	1-216-295-00	METAL GLAZE	0 5%	1/10W
R2024	1-216-047-00	METAL GLAZE	820 5%	1/10W	R2100	1-216-295-00	METAL GLAZE	0 5%	1/10W
R2025	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R2101	1-216-071-00	METAL GLAZE	8.2K 5%	1/10W
R2026	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R2102	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R2027	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2104	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W
R2028	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2105	1-216-043-00	METAL GLAZE	560 5%	1/10W
R2029	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2106	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2030	1-216-009-00	METAL GLAZE	22 5%	1/10W	R2107	1-216-037-00	METAL GLAZE	330 5%	1/10W
R2031	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R2108	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2032	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2109	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2033	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2110	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2034	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2111	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W
R2035	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2112	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R2036	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2113	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W
R2037	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R2114	1-216-085-00	METAL GLAZE	33K 5%	1/10W
R2038	1-216-025-00	METAL GLAZE	100 5%	1/10W	R2115	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2039	1-216-097-00	METAL GLAZE	100K 5%	1/10W	R2116	1-216-119-00	METAL GLAZE	820K 5%	1/10W
R2040	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2117	1-216-081-00	METAL GLAZE	22K 5%	1/10W
R2041	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2118	1-216-077-00	METAL GLAZE	15K 5%	1/10W
R2042	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W	R2119	1-216-077-00	METAL GLAZE	15K 5%	1/10W
R2043	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R2122	1-216-295-00	METAL GLAZE	0 5%	1/10W
R2044	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R2124	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2045	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R2125	1-216-089-91	METAL GLAZE	47K 5%	1/10W
R2046	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2127	1-216-071-00	METAL GLAZE	8.2K 5%	1/10W
R2047	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R2128	1-216-069-00	METAL GLAZE	6.8K 5%	1/10W
R2048	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2129	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W
R2049	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R2130	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W
R2050	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W	R2131	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W
R2051	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R2132	1-216-676-11	METAL CHIP	11K 0.50%	1/10W
R2052	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R2133	1-216-025-00	METAL GLAZE	100 5%	1/10W
R2053	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2134	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W
R2054	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2135	1-216-041-00	METAL GLAZE	470 5%	1/10W
R2055	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2136	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R2056	1-216-295-00	METAL GLAZE	0 5%	1/10W	R2137	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R2057	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2138	1-216-295-00	METAL GLAZE	0 5%	1/10W
R2058	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2139	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W
R2059	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2140	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2060	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2141	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W
R2061	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2142	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2062	1-216-295-00	METAL GLAZE	0 5%	1/10W	R2143	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R2063	1-216-025-00	METAL GLAZE	100 5%	1/10W	R2144	1-216-025-00	METAL GLAZE	100 5%	1/10W
R2064	1-216-025-00	METAL GLAZE	100 5%	1/10W	R2145	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R2074	1-216-033-00	METAL GLAZE	220 5%	1/10W	R2146	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R2075	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R2147	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W
R2076	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R2148	1-216-081-00	METAL GLAZE	22K 5%	1/10W
R2077	1-216-093-00	METAL GLAZE	68K 5%	1/10W	R2149	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R2078	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R2152	1-216-295-00	METAL GLAZE	0 5%	1/10W
R2079	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W	<VARIABLE RESISTOR>				
R2080	1-216-073-00	METAL GLAZE	10K 5%	1/10W	RV2001	1-238-015-11	RES, ADJ, CARBON	4.7K	
R2081	1-216-041-00	METAL GLAZE	470 5%	1/10W	RV2002	1-238-019-11	RES, ADJ, CARBON	47K	
R2082	1-216-049-00	METAL GLAZE	1K 5%	1/10W	RV2003	1-238-017-11	RES, ADJ, CARBON	22K	
R2083	1-216-037-00	METAL GLAZE	330 5%	1/10W	RV2004	1-238-017-11	RES, ADJ, CARBON	22K	
R2084	1-216-045-00	METAL GLAZE	680 5%	1/10W	< TUNER >				
R2085	1-216-133-00	METAL GLAZE	3.3M 5%	1/10W	TU2001AI-693-102-21	TUNER (BTR-XA401)			
R2086	1-216-133-00	METAL GLAZE	3.3M 5%	1/10W	< CRYSTAL >				
R2087	1-216-085-00	METAL GLAZE	33K 5%	1/10W					
R2088	1-216-107-00	METAL GLAZE	270K 5%	1/10W					
R2089	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R2090	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R2091	1-216-049-00	METAL GLAZE	1K 5%	1/10W					
R2093	1-216-097-00	METAL GLAZE	100K 5%	1/10W					
R2094	1-216-039-00	METAL GLAZE	390 5%	1/10W					
R2095	1-216-107-00	METAL GLAZE	270K 5%	1/10W	X2001	1-567-192-11	OSCILLATOR, CERAMIC		
R2096	1-216-105-00	METAL GLAZE	220K 5%	1/10W	X2002	1-567-505-11	OSCILLATOR, CRYSTAL		

A

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK

	C502	1-126-182-11	ELECT	0.47MF	20%	50V	
	C503	1-130-487-00	MYLAR	0.022MF	5%	50V	

*A-1297-104-A	A BOARD, COMPLETE (KP-53XBR35(U/C))			C504	1-136-153-00	FILM	0.01MF
	*****			C507	1-106-383-00	MYLAR	0.047MF
*A-1297-105-A	A BOARD, COMPLETE (KP-46XBR35/61XBR38)			C508	1-102-973-00	CERAMIC	100PF
	*****			C509	1-102-030-00	CERAMIC	330PF
				C510	Δ 1-136-565-11	FILM	0.015MF
4-365-216-00	SPACER, MICA			C512	Δ 1-136-598-11	FILM	3MF
4-382-854-11	SCREW (M3X10), P, SW (+)			C513	1-136-153-00	FILM	0.01MF
<CONNECTOR>							
A-1	*1-564-514-11	PLUG, CONNECTOR 11P		C514	1-124-477-11	ELECT	47MF
A-2	*1-564-512-11	PLUG, CONNECTOR 9P		C522	1-123-024-21	ELECT	33MF
A-3	*1-564-507-11	PLUG, CONNECTOR 4P		C523	1-106-383-00	MYLAR	0.047MF
A-4	*1-564-508-11	PLUG, CONNECTOR 5P		C528	1-124-662-11	ELECT	220MF
A-5	*1-564-511-51	PLUG, CONNECTOR 8P		C534	1-124-011-00	ELECT	220MF
A-7	*1-564-505-11	PLUG, CONNECTOR 2P		C535	1-124-011-00	ELECT	220MF
A-9	*1-564-505-11	PLUG, CONNECTOR 2P		C536	1-124-662-11	ELECT	220MF
A-10	*1-564-511-81	PLUG, CONNECTOR 8P		C537	1-124-662-11	ELECT	220MF
A-11	*1-564-511-71	PLUG, CONNECTOR 8P		C539	1-124-907-11	ELECT	10MF
A-12	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P		C542	1-136-153-00	FILM	0.01MF
A-13	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P		C543	1-136-153-00	FILM	0.01MF
A-14	*1-564-513-11	PLUG, CUNNCTOR 10P		C544	1-136-153-00	FILM	0.01MF
A-15	*1-564-508-11	PLUG, CONNECTOR 5P		C545	1-136-153-00	FILM	0.01MF
A-16	*1-564-508-11	PLUG, CONNECTOR 5P		C569	1-126-355-11	ELECT	33MF
A-17	*1-564-508-11	PLUG, CONNECTOR 5P		C1401	1-124-910-11	ELECT	47MF
A-18	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		C1402	1-126-157-11	ELECT	10MF
A-19	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		C1405	1-124-910-11	ELECT	47MF
A-20	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		C1406	1-126-101-11	ELECT	100MF
A-21	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		C1407	1-126-057-11	ELECT	2200MF
A-22	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P		C1408	1-136-165-00	FILM	0.1MF
A-25	*1-564-506-11	PLUG, CONNECTOR 3P		C1409	1-136-165-00	FILM	0.1MF
A-27	1-573-297-21	CONNECTOR, BOARD TO BOARD 18P		C1413	1-124-234-00	ELECT	22MF
A-28	*1-564-508-11	PLUG, CONNECTOR 5P		C1424	1-126-057-11	ELECT	2200MF
A-38	*1-564-505-11	PLUG, CONNECTOR 2P		C1425	1-126-057-11	ELECT	2200MF
A-56	*1-564-508-11	PLUG, CONNECTOR 5P		C1426	1-126-157-11	ELECT	10MF
P3-1	*1-573-960-11	CONNECTOR (FEMALE) 50P		C1429	1-126-101-11	ELECT	100MF
<CAPACITOR>							
C201	1-124-910-11	ELECT	47MF	20%	50V		
C202	1-124-903-11	ELECT	1MF	20%	50V		
C203	1-130-495-00	MYLAR	0.1MF	5%	50V		
C204	1-124-477-11	ELECT	47MF	20%	16V		
C205	1-124-557-11	ELECT	1000MF	20%	25V		
C206	1-126-101-11	ELECT	100MF	20%	16V		
C207	1-124-286-00	ELECT	33MF	20%	16V		
C210	1-102-121-00	CERAMIC	0.0022MF	10%	50V		
C212	1-126-803-11	ELECT	47MF	20%	16V		
C213	1-126-103-11	ELECT	470MF	20%	16V		
C214	1-126-101-11	ELECT	100MF	20%	16V		
C215	1-126-803-11	ELECT	47MF	20%	50V		
C216	1-126-101-11	ELECT	100MF	20%	16V		
C217	1-126-803-11	ELECT	47MF	20%	25V		
C218	1-126-103-11	ELECT	470MF	20%	16V		
C219	1-124-443-00	ELECT	100MF	20%	10V		
C220	1-126-803-11	ELECT	47MF	20%	25V		
C223	1-126-803-11	ELECT	47MF	20%	25V		
C224	1-124-261-00	ELECT	10MF	20%	50V		
C225	1-124-120-11	ELECT	220MF	20%	16V		
C226	1-124-120-11	ELECT	220MF	20%	16V		
C227	1-124-621-11	ELECT	3300MF	20%	6.3V		
C229	1-126-101-11	ELECT	100MF	20%	16V		
<DIODE>							
D201	8-719-121-24	DIODE	RD9.1ESL				
D202	8-719-121-24	DIODE	RD9.1ESL				
D203	8-719-911-19	DIODE	ISS119				
D204	8-719-911-19	DIODE	ISS119				
D205	8-719-110-36	DIODE	RD13ESB2				
D206	8-719-911-19	DIODE	ISS119				
D207	8-719-911-19	DIODE	ISS119				
D208	8-719-911-19	DIODE	ISS119				
D209	8-719-911-19	DIODE	ISS119				
D211	8-719-110-36	DIODE	RD13ESB2				
D214	8-719-911-19	DIODE	ISS119				
D215	8-719-911-19	DIODE	ISS119				
D216	8-719-911-19	DIODE	ISS119				
D217	8-719-911-19	DIODE	ISS119				

A

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D219	8-719-911-19	DIODE 1SS119		Q502	8-729-014-88	TRANSISTOR 2SC4891-CA	
D220	8-719-510-48	DIODE D1N20R		4-382-854-11		SCREW (M3X10), P, SW (+); Q502	
D221	8-719-911-19	DIODE 1SS119		Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D222	8-719-911-19	DIODE 1SS119		Q505	8-729-201-32	TRANSISTOR 2SA1013-0	
D223	8-719-911-19	DIODE 1SS119		Q506	8-729-201-32	TRANSISTOR 2SA1013-0	
D501	8-719-971-20	DIODE ERC38-06		Q507	8-729-304-92	TRANSISTOR 2SB649A-C	
D502	8-719-971-20	DIODE ERC38-06		Q508	8-729-204-16	TRANSISTOR 2SA1301-0	
D503	8-719-300-80	DIODE RU-1C		4-382-854-11		SCREW (M3X10), P, SW (+); Q508	
D504	8-719-109-88	DIODE RD5.6ESB1		Q509	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D505	8-719-900-63	DIODE V06C (KP-46XBR35/61XBR38)		Q510	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D506	8-719-900-63	DIODE V06C (KP-46XBR35/61XBR38)		Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D507	8-719-970-89	DIODE DD50R		Q512	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D509	8-719-911-19	DIODE 1SS119		Q1401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D510	8-719-109-71	DIODE RD3.9ESB1		Q1402	8-729-900-63	TRANSISTOR DTA124ES	
D511	8-719-911-19	DIODE 1SS119		Q1407	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D512	8-719-911-19	DIODE 1SS119		Q1408	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D513	8-719-911-19	DIODE 1SS119		Q1601	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D514	8-719-911-19	DIODE 1SS119		Q1602	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D515	8-719-911-19	DIODE 1SS119		Q1603	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1401	8-719-911-19	DIODE 1SS119		Q1604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1402	8-719-911-19	DIODE 1SS119		Q1605	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1403	8-719-911-19	DIODE 1SS119		Q1606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1404	8-719-110-88	DIODE RD39ESB2		Q1620	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1405	8-719-110-88	DIODE RD39ESB2					
D1406	8-719-911-19	DIODE 1SS119					
D1407	8-719-110-88	DIODE RD39ESB2					
D1408	8-719-911-19	DIODE 1SS119		R201	1-247-807-31	CARBON	100 5% 1/4W F
D1409	8-719-110-88	DIODE RD39ESB2		R202	1-247-807-31	CARBON	100 5% 1/4W F
D1410	8-719-911-19	DIODE 1SS119		R203	1-249-425-11	CARBON	4.7K 5% 1/4W
D1607	8-719-911-19	DIODE 1SS119		R204	1-249-441-11	CARBON	100K 5% 1/4W
D1608	8-719-911-19	DIODE 1SS119		R214	1-249-429-11	CARBON	10K 5% 1/4W
				R215	1-249-437-11	CARBON	47K 5% 1/4W
				R216	1-249-377-11	CARBON	0.47 5% 1/4W F
				R219	1-249-426-11	CARBON	5.6K 5% 1/4W
				R221	1-249-409-11	CARBON	220 5% 1/4W
				R222	1-249-436-11	CARBON	39K 5% 1/4W
				R223	1-249-434-11	CARBON	27K 5% 1/4W
				R224	1-249-409-11	CARBON	220 5% 1/4W
				R225	1-249-417-11	CARBON	1K 5% 1/4W
				R229	Δ 1-215-921-71	METAL OXIDE	4.7K 5% 3W F
				R230	Δ 1-215-921-71	METAL OXIDE	4.7K 5% 3W F
				R231	1-249-409-11	CARBON	220 5% 1/4W F
				R232	Δ 1-216-469-71	METAL OXIDE	12 5% 3W F
				R233	1-249-409-11	CARBON	220 5% 1/4W
				R234	1-249-409-11	CARBON	220 5% 1/4W
				R235	1-249-409-11	CARBON	220 5% 1/4W
				R236	1-249-409-11	CARBON	220 5% 1/4W
				R237	1-249-409-11	CARBON	220 5% 1/4W
				R238	1-249-409-11	CARBON	220 5% 1/4W
				R239	1-249-409-11	CARBON	220 5% 1/4W
				R240	Δ 1-216-469-71	METAL OXIDE	12 5% 3W F
				R241	1-249-401-11	CARBON	47 5% 1/4W
				R242	Δ 1-216-469-71	METAL OXIDE	12 5% 3W F
				R243	Δ 1-217-288-11	WIREWOUND	1.5 10% 5W F
				R244	Δ 1-217-296-11	WIREWOUND	6.8 10% 5W F
				R296	1-249-417-11	CARBON	1K 5% 1/4W
				R501	1-247-895-00	CARBON	470K 5% 1/4W
				R502	1-249-377-11	CARBON	0.47 5% 1/4W F
				R503	1-249-377-11	CARBON	0.47 5% 1/4W
				R504	1-249-417-11	CARBON	1K 5% 1/4W
				R505	1-249-423-11	CARBON	3.3K 5% 1/4W
				R506	Δ 1-215-922-91	METAL OXIDE	6.8K 5% 3W F
				R507	1-249-429-11	CARBON	10K 5% 1/4W F
				R508	Δ 1-216-373-91	METAL OXIDE	2.2 5% 2W F

A

E1

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The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R509 ▲ 1-216-478-91	METAL OXIDE	390	5%	3W F	R1520	1-249-429-11	CARBON	10K 5% 1/4W
R511 1-247-811-31	CARBON	150	5%	1/4W	R1601	1-249-423-11	CARBON	3.3K 5% 1/4W
R512 1-249-421-11	CARBON	2.2K	5%	1/4W F	R1602	1-249-417-11	CARBON	1K 5% 1/4W
R513 1-249-417-11	CARBON	1K	5%	1/4W	R1603	1-249-423-11	CARBON	3.3K 5% 1/4W
R514 ▲ 1-216-441-91	METAL OXIDE	27K	5%	1W F	R1604	1-247-807-31	CARBON	100 5% 1/4W
R515 1-249-432-11	CARBON	18K	5%	1/4W F	R1605	1-247-807-31	CARBON	100 5% 1/4W
R516 1-249-417-11	CARBON	1K	5%	1/4W	R1606	1-247-807-31	CARBON	100 5% 1/4W
R517 1-249-427-11	CARBON	6.8K	5%	1/4W F	R1607	1-249-415-11	CARBON	680 5% 1/4W
R518 1-249-422-11	CARBON	2.7K	5%	1/4W F	R1608	1-249-415-11	CARBON	680 5% 1/4W
R519 1-249-417-11	CARBON	1K	5%	1/4W F	R1609	1-249-415-11	CARBON	680 5% 1/4W
R520 ▲ 1-215-925-91	METAL OXIDE	22K	5%	3W F	R1610	1-247-807-31	CARBON	100 5% 1/4W
R521 ▲ 1-215-925-91	METAL OXIDE	22K	5%	3W F	R1611	1-247-807-31	CARBON	100 5% 1/4W
R522 1-249-421-11	CARBON	2.2K	5%	1/4W	R1612	1-247-807-31	CARBON	100 5% 1/4W
R523 1-249-434-11	CARBON	27K	5%	1/4W	R1613	1-249-423-11	CARBON	3.3K 5% 1/4W
R524 1-249-434-11	CARBON	27K	5%	1/4W	R1614	1-249-411-11	CARBON	330 5% 1/4W
R525 ▲ 1-215-922-91	METAL OXIDE	6.8K	5%	3W F	R1622	1-249-423-11	CARBON	3.3K 5% 1/4W
R526 1-249-417-11	CARBON	1K	5%	1/4W	R1624	1-249-424-11	CARBON	3.9K 5% 1/4W
R528 ▲ 1-216-447-91	METAL OXIDE	27	5%	2W F	R1627	1-249-429-11	CARBON	10K 5% 1/4W
R529 ▲ 1-216-447-91	METAL OXIDE	27	5%	2W F	R1630	1-249-434-11	CARBON	27K 5% 1/4W
R530 1-249-431-11	CARBON	15K	5%	1/4W	R1631	1-249-433-11	CARBON	22K 5% 1/4W
R531 1-249-431-11	CARBON	15K	5%	1/4W	R1656	1-249-397-11	CARBON	22 5% 1/4W
R532 1-249-385-11	CARBON	2.2	5%	1/4W F	R1657	1-249-397-11	CARBON	22 5% 1/4W
R533 1-247-807-31	CARBON	100	5%	1/4W	R1658	1-249-397-11	CARBON	22 5% 1/4W
R534 1-247-807-31	CARBON	100	5%	1/4W				
R535 1-247-807-31	CARBON	100	5%	1/4W				
R536 ▲ 1-217-316-11	WIREWOUND	330	10%	5W F				
		(KP-46XBR35/61XBR38)						
R537 ▲ 1-217-316-11	WIREWOUND	330	10%	5W F				
		(KP-46XBR35/61XBR38)						
R550 1-249-385-11	CARBON	2.2	5%	1/4W F				
R558 1-249-385-11	CARBON	2.2	5%	1/4W F				
R559 1-249-409-11	CARBON	220	5%	1/4W				
R560 1-249-409-11	CARBON	220	5%	1/4W				
R563 1-249-429-11	CARBON	10K	5%	1/4W				
R564 1-249-429-11	CARBON	10K	5%	1/4W				
R565 1-249-427-11	CARBON	6.8K	5%	1/4W				
R566 1-249-427-11	CARBON	6.8K	5%	1/4W				
R567 1-249-427-11	CARBON	6.8K	5%	1/4W				
R568 1-249-427-11	CARBON	6.8K	5%	1/4W				
R569 1-249-426-11	CARBON	5.6K	5%	1/4W				
R570 1-249-441-11	CARBON	100K	5%	1/4W				
R571 1-249-429-11	CARBON	10K	5%	1/4W				
R572 1-249-429-11	CARBON	10K	5%	1/4W				
R574 1-249-417-11	CARBON	1K	5%	1/4W				
R579 1-249-417-11	CARBON	1K	5%	1/4W				
R1401 1-215-445-00	METAL	10K	1%	1/4W				
R1402 1-215-445-00	METAL	10K	1%	1/4W				
R1403 1-215-445-00	METAL	10K	1%	1/4W				
R1404 1-215-445-00	METAL	10K	1%	1/4W				
R1405 1-249-385-11	CARBON	2.2	5%	1/4W				
R1406 1-249-385-11	CARBON	2.2	5%	1/4W				
R1409 1-249-433-11	CARBON	22K	5%	1/4W				
R1410 1-249-433-11	CARBON	22K	5%	1/4W				
R1411 1-249-437-11	CARBON	47K	5%	1/4W				
R1427 ▲ 1-215-865-91	METAL OXIDE	220	5%	1W F				
R1428 ▲ 1-215-865-91	METAL OXIDE	220	5%	1W F				
R1431 1-247-807-31	CARBON	100	5%	1/4W				
R1433 1-249-425-11	CARBON	4.7K	5%	1/4W				
R1434 1-249-423-11	CARBON	3.3K	5%	1/4W				
R1439 1-247-883-00	CARBON	150K	5%	1/4W				
R1440 1-249-417-11	CARBON	1K	5%	1/4W				
R1442 1-249-398-11	CARBON	27	5%	1/4W				
R1443 1-249-398-11	CARBON	27	5%	1/4W				

<TRANSFORMER>

T501 ▲ 1-439-545-11 TRANSFORMER, FERRITE
T502 ▲ 1-437-078-11 TRANSFORMER, HORIZONTAL DRIVE

<TUNER>

TU101 ▲ 1-693-102-21 TUNER (BTF-XA401)

*A-1346-138-A E1 BOARD, COMPLETE

<CAPACITOR>

C301	1-163-010-11	CERAMIC CHIP	0.0012MF	10%	50V
C303	1-126-157-11	ELECT	10MF	20%	16V
C304	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C305	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C306	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C309	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C310	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C314	1-124-667-11	ELECT	10MF	20%	16V
C315	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C319	1-126-157-11	ELECT	10MF	20%	16V
C320	1-124-465-00	ELECT	0.47MF	20%	50V
C321	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C322	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C323	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C324	1-124-234-00	ELECT	22MF	20%	16V
C325	1-104-563-11	FILM CHIP	0.1MF	5%	16V
C326	1-104-563-11	FILM CHIP	0.1MF	5%	16V
C327	1-104-563-11	FILM CHIP	0.1MF	5%	16V
C328	1-126-157-11	ELECT	10MF	20%	16V
C329	1-126-157-11	ELECT	10MF	20%	16V
C330	1-126-157-11	ELECT	10MF	20%	16V
C331	1-126-301-11	ELECT	1MF	20%	50V
C332	1-124-584-00	ELECT	100MF	20%	10V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-137-491-11	FILM CHIP	0.1MF	5%	25V

E1

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C335	1-136-169-00	FILM	0.22MF	5%	50V			<DELAY LINE>			
C336	1-126-301-11	ELECT	1MF	20%	50V	DL302	1-415-817-11	DELAY LINE			
C337	1-126-301-11	ELECT	1MF	20%	50V			<CONNECTOR>			
C338	1-124-584-00	ELECT	100MF	20%	10V			<CONNECTOR>			
C339	1-126-801-11	ELECT	1MF	20%	50V			<CONNECTOR>			
C340	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	E1-24	*1-564-523-11	PLUG, CONNECTOR 8P			
C341	1-126-157-11	ELECT	10MF	20%	16V	E1-25	*1-564-521-11	PLUG, CONNECTOR 6P			
C342	1-124-465-00	ELECT	0.47MF	20%	50V	E1-26	*1-564-522-11	PLUG, CONNECTOR 7P			
C343	1-124-589-11	ELECT	47MF	20%	16V	E1-001	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P			
C344	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V			<IC>			
C346	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	IC301	8-752-058-68	IC CXA1315M			
C348	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	IC302	8-752-057-68	IC CXA1464AS			
C350	1-126-301-11	ELECT	1MF	20%	50V			<COIL>			
C351	1-163-002-11	CERAMIC CHIP	270PF	10%	50V	L301	1-410-064-11	INDUCTOR 2.7MMH			
C352	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V	L307	1-410-944-31	INDUCTOR CHIP 15UH			
C353	1-126-163-11	ELECT	4.7MF	20%	50V	L308	1-410-946-31	INDUCTOR CHIP 22UH			
C355	1-124-465-00	ELECT	0.47MF	20%	50V			<TRANSISTOR>			
C356	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	Q301	8-729-925-79	TRANSISTOR IMX3			
C357	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	Q302	8-729-925-79	TRANSISTOR IMX3			
C360	1-137-491-11	FILM CHIP	0.1MF	5%	25V	Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C361	1-126-301-11	ELECT	1MF	20%	50V	Q304	8-729-907-46	TRANSISTOR IMZ1			
C362	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	Q305	8-729-925-79	TRANSISTOR IMX3			
C363	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C364	1-126-301-11	ELECT	1MF	20%	50V	Q307	8-729-903-10	TRANSISTOR FMW1			
C365	1-164-343-11	CERAMIC CHIP	0.056MF	10%	25V	Q309	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C366	1-124-257-00	ELECT	2.2MF	20%	50V	Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C367	1-126-157-11	ELECT	10MF	20%	16V	Q311	8-729-403-27	TRANSISTOR XN4401			
C368	1-124-234-00	ELECT	22MF	20%	16V	Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C369	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	Q314	8-729-403-27	TRANSISTOR XN4401			
C370	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C371	1-126-803-11	ELECT	47MF	20%	16V	Q309	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C372	1-124-589-11	ELECT	47MF	20%	16V	Q310	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C373	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	Q311	8-729-403-27	TRANSISTOR XN4401			
C378	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C379	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	Q314	8-729-403-27	TRANSISTOR XN4401			
C380	1-163-137-00	CERAMIC CHIP	680PF	5%	50V	Q315	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C381	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
C382	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	Q317	8-729-216-22	TRANSISTOR 2SA1162-G			
C383	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	Q321	8-729-925-79	TRANSISTOR IMX3			
C384	1-163-095-00	CERAMIC CHIP	12PF	5%	50V	Q322	8-729-216-22	TRANSISTOR 2SA1162-G			
		<DIODE>				Q323	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D301	8-719-404-46	DIODE	MA110			Q324	8-729-216-22	TRANSISTOR 2SA1162-G			
D302	8-719-404-46	DIODE	MA110			Q325	8-729-216-22	TRANSISTOR 2SA1162-G			
D303	8-719-404-46	DIODE	MA110			Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D304	8-719-404-46	DIODE	MA110			Q327	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D305	8-719-404-46	DIODE	MA110			Q328	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D306	8-719-158-15	DIODE	RD5.6SB			Q333	8-729-925-79	TRANSISTOR IMX3			
D307	8-719-404-46	DIODE	MA110			Q334	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D310	8-719-158-15	DIODE	RD5.6SB			Q335	8-729-907-46	TRANSISTOR IMZ1			
D312	8-719-404-46	DIODE	MA110			Q340	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
D313	8-719-404-46	DIODE	MA110			Q342	8-729-925-79	TRANSISTOR IMX3			
D314	8-719-404-46	DIODE	MA110			Q344	8-729-216-22	TRANSISTOR 2SA1162-G			
D315	8-719-404-46	DIODE	MA110					<RESISTOR>			
D316	8-719-404-46	DIODE	MA110			R301	1-216-025-00	METAL GLAZE	100	5%	1/10W
D317	8-719-404-46	DIODE	MA110			R302	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
D318	8-719-404-46	DIODE	MA110			R303	1-216-079-00	METAL GLAZE	18K	5%	1/10W
D319	8-719-404-46	DIODE	MA110			R304	1-216-081-00	METAL GLAZE	22K	5%	1/10W
D320	8-719-404-46	DIODE	MA110			R305	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
D321	8-719-400-94	DIODE	MA3130			R306	1-216-081-00	METAL GLAZE	22K	5%	1/10W
						R307	1-216-089-91	METAL GLAZE	47K	5%	1/10W
						R308	1-216-037-00	METAL GLAZE	330	5%	1/10W
						R309	1-216-073-00	METAL GLAZE	10K	5%	1/10W
						R310	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R312	1-216-043-00	METAL GLAZE	560 5% 1/10W	R391	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R313	1-216-035-00	METAL GLAZE	270 5% 1/10W	R393	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R314	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R394	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R316	1-216-035-00	METAL GLAZE	270 5% 1/10W	R395	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R317	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R397	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R320	1-216-039-00	METAL GLAZE	390 5% 1/10W	R398	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R325	1-216-033-00	METAL GLAZE	220 5% 1/10W	R399	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R326	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1301	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R331	1-216-017-00	METAL GLAZE	47 5% 1/10W	R1302	1-216-045-00	METAL GLAZE	680 5% 1/10W
R332	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W	R1303	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R333	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R1304	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R336	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1305	1-216-025-00	METAL GLAZE	100 5% 1/10W
R338	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1306	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R339	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1307	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R340	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R1308	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R341	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1309	1-216-025-00	METAL GLAZE	100 5% 1/10W
R343	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1310	1-216-045-00	METAL GLAZE	680 5% 1/10W
R344	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1311	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R345	1-216-292-11	METAL GLAZE	8.2M 5% 1/8W	R1312	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R346	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1313	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R347	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1314	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R348	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1315	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R349	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1316	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R350	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1317	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R351	1-216-674-11	METAL CHIP	9.1K 0.50% 1/10W	R1318	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R352	1-216-011-00	METAL GLAZE	27 5% 1/10W	R1319	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R353	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1320	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R354	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1321	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R355	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1322	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R356	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1323	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R357	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1324	1-216-045-00	METAL GLAZE	680 5% 1/10W
R358	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1325	1-216-025-00	METAL GLAZE	100 5% 1/10W
R359	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1326	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R360	1-216-119-00	METAL GLAZE	820K 5% 1/10W	R1327	1-216-033-00	METAL GLAZE	220 5% 1/10W
R361	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1328	1-216-033-00	METAL GLAZE	220 5% 1/10W
R362	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R1329	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R363	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1330	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R364	1-216-045-00	METAL GLAZE	680 5% 1/10W	R1331	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R365	1-216-017-00	METAL GLAZE	47 5% 1/10W	R1333	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W
R366	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1342	1-216-033-00	METAL GLAZE	220 5% 1/10W
R367	1-216-045-00	METAL GLAZE	680 5% 1/10W	R1346	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R368	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1347	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R369	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1348	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R370	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1349	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R371	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1350	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R372	1-216-031-00	METAL GLAZE	180 5% 1/10W	R1352	1-216-039-00	METAL GLAZE	390 5% 1/10W
R373	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	R1353	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R374	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1354	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R375	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1355	1-216-017-00	METAL GLAZE	47 5% 1/10W
R376	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1356	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R377	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1357	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R378	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1358	1-216-033-00	METAL GLAZE	220 5% 1/10W
R379	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1362	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R380	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1363	1-216-041-00	METAL GLAZE	470 5% 1/10W
R381	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1364	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R382	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1373	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R383	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R1374	1-216-025-00	METAL GLAZE	100 5% 1/10W
R384	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1379	1-216-079-00	METAL GLAZE	18K 5% 1/10W
R385	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1380	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R386	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	R1381	1-216-041-00	METAL GLAZE	470 5% 1/10W
R387	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1382	1-216-079-00	METAL GLAZE	18K 5% 1/10W
R388	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1383	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R389	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1384	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R390	1-216-033-00	METAL GLAZE	220 5% 1/10W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R1385	1-216-037-00	METAL GLAZE	330 5%	1/10W	C2353	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R1386	1-216-037-00	METAL GLAZE	330 5%	1/10W	C2354	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R1387	1-216-045-00	METAL GLAZE	680 5%	1/10W	C2357	1-126-301-11	ELECT 1MF	20% 50V
R1388	1-216-001-00	METAL GLAZE	10 5%	1/10W	C2360	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
R1389	1-216-097-00	METAL GLAZE	100K 5%	1/10W				
R1390	1-216-097-00	METAL GLAZE	100K 5%	1/10W			<DIODE>	
R1391	1-216-097-00	METAL GLAZE	100K 5%	1/10W	D2306	8-719-404-46	DIODE MA110	
R1392	1-216-081-00	METAL GLAZE	22K 5%	1/10W	D2307	8-719-948-98	DIODE FMN1	
R1394	1-216-081-00	METAL GLAZE	22K 5%	1/10W	D2308	8-719-948-98	DIODE FMN1	
R1395	1-216-081-00	METAL GLAZE	22K 5%	1/10W	D2309	8-719-404-46	DIODE MA110	
R1396	1-216-125-00	METAL GLAZE	1.5M 5%	1/10W	D2312	8-719-404-46	DIODE MA110	
R1399	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W				
R5301	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	D2313	8-719-404-46	DIODE MA110	
R5302	1-216-073-00	METAL GLAZE	10K 5%	1/10W	D2314	8-713-300-57	DIODE 1T33	
R5303	1-216-073-00	METAL GLAZE	10K 5%	1/10W	D2317	8-719-404-46	DIODE MA110	
R5304	1-216-085-00	METAL GLAZE	33K 5%	1/10W				
R5305	1-216-085-00	METAL GLAZE	33K 5%	1/10W			<CONNECTOR>	
X301	1-567-505-11	OSCILLATOR, CRYSTAL						
<CRYSTAL>								

*A-1346-136-A E2 BOARD, COMPLETE								

<CAPACITOR>								
C2302	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	I2301	8-759-066-52	IC PCA8510T/012-T	
C2303	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	I2303	8-759-925-75	IC SN74HC05ANS	
C2310	1-163-105-00	CERAMIC CHIP 33PF	5%	50V	I2304	8-752-037-15	IC CXA1387S	
C2313	1-163-133-00	CERAMIC CHIP 470PF	5%	50V	I2306	8-759-011-65	IC MC74HC4053P	
C2314	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	I2307	8-752-058-68	IC CXA1315M	
C2315	1-126-157-11	ELECT 10MF	20%	16V				
C2316	1-126-157-11	ELECT 10MF	20%	16V				
C2317	1-126-157-11	ELECT 10MF	20%	16V			<COIL>	
C2318	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	L2304	1-408-414-00	INDUCTOR	27UH
C2320	1-124-589-11	ELECT 47MF	20%	16V				
C2321	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V			<TRANSISTOR>	
C2322	1-124-234-00	ELECT 22MF	20%	16V	Q2301	8-729-903-10	TRANSISTOR FMW1	
C2323	1-124-234-00	ELECT 22MF	20%	16V	Q2303	8-729-403-27	TRANSISTOR XN4401	
C2324	1-124-234-00	ELECT 22MF	20%	16V	Q2304	8-729-925-79	TRANSISTOR IMX3	
C2325	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2305	8-729-903-10	TRANSISTOR FMW1	
C2326	1-124-589-11	ELECT 47MF	20%	16V	Q2306	8-729-403-27	TRANSISTOR XN4401	
C2327	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2307	8-729-403-27	TRANSISTOR XN4401	
C2328	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2308	8-729-403-27	TRANSISTOR XN4401	
C2329	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2309	8-729-903-10	TRANSISTOR FMW1	
C2331	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2310	8-729-403-27	TRANSISTOR XN4401	
C2332	1-124-234-00	ELECT 22MF	20%	16V	Q2311	8-729-903-10	TRANSISTOR FMW1	
C2333	1-124-234-00	ELECT 22MF	20%	16V				
C2334	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2312	8-729-403-27	TRANSISTOR XN4401	
C2335	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2313	8-729-903-10	TRANSISTOR FMW1	
C2336	1-126-163-11	ELECT 4.7MF	20%	16V	Q2314	8-729-403-27	TRANSISTOR XN4401	
C2337	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2315	8-729-903-10	TRANSISTOR FMW1	
C2338	1-163-038-00	CERAMIC CHIP 0.1MF	25%		Q2317	8-729-216-22	TRANSISTOR 2SA1162-G	
C2340	1-163-251-11	CERAMIC CHIP 100PF	5%	50V				
C2345	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2318	8-729-216-22	TRANSISTOR 2SA1162-G	
C2346	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2319	8-729-216-22	TRANSISTOR 2SA1162-G	
C2347	1-163-367-11	CERAMIC CHIP 39PF	5%	50V	Q2320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2349	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2350	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2322	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2351	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2324	8-729-216-22	TRANSISTOR 2SA1162-G	
C2352	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2326	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2347	1-163-367-11	CERAMIC CHIP 39PF	5%	50V	Q2327	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2349	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2330	8-729-903-10	TRANSISTOR FMW1	
C2350	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	Q2337	8-729-925-79	TRANSISTOR IMX3	
C2351	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2338	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C2352	1-164-505-11	CERAMIC CHIP 2.2MF	10%	50V	Q2339	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
					Q2340	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q2341	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2365	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
Q2342	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2366	1-216-081-00	METAL GLAZE 22K 5%	1/10W
Q2345	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2367	1-216-043-00	METAL GLAZE 560 5%	1/10W
<RESISTOR>							
R2302	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R2368	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2303	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R2371	1-216-033-00	METAL GLAZE 220 5%	1/10W
R2304	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R2374	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R2305	1-216-033-00	METAL GLAZE 220 5%	1/10W	R2375	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2306	1-216-045-00	METAL GLAZE 680 5%	1/10W	R2376	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2307	1-216-045-00	METAL GLAZE 680 5%	1/10W	R2377	1-216-025-00	METAL GLAZE 100 5%	1/10W
R2308	1-216-045-00	METAL GLAZE 680 5%	1/10W	R2378	1-216-025-00	METAL GLAZE 100 5%	1/10W
R2309	1-216-041-00	METAL GLAZE 470 5%	1/10W	R2379	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2310	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R2380	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2311	1-216-025-00	METAL GLAZE 100 5%	1/10W	R2381	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2312	1-216-043-00	METAL GLAZE 560 5%	1/10W	R2382	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R2313	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R2384	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2314	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R2385	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R2315	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R2386	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2317	1-216-041-00	METAL GLAZE 470 5%	1/10W	R2387	1-216-025-00	METAL GLAZE 100 5%	1/10W
R2318	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	R2388	1-216-017-00	METAL GLAZE 47 5%	1/10W
R2319	1-216-079-00	METAL GLAZE 18K 5%	1/10W	R2390	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2320	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R2393	1-216-017-00	METAL GLAZE 47 5%	1/10W
R2321	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	R2394	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2322	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R2395	1-216-001-00	METAL GLAZE 10 5%	1/10W
R2323	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	R2397	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2324	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R2399	1-216-001-00	METAL GLAZE 10 5%	1/10W
R2325	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R3301	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2326	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R3302	1-216-001-00	METAL GLAZE 10 5%	1/10W
R2327	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	R3303	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R2328	1-216-025-00	METAL GLAZE 100 5%	1/10W	R3304	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R2329	1-216-025-00	METAL GLAZE 100 5%	1/10W	R3306	1-216-089-91	METAL GLAZE 47K 5%	1/10W
R2330	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R3307	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R2331	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W	R3308	1-216-043-00	METAL GLAZE 560 5%	1/10W
R2332	1-216-025-00	METAL GLAZE 100 5%	1/10W	R3309	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2333	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	R3310	1-216-001-00	METAL GLAZE 10 5%	1/10W
R2334	1-216-295-00	METAL GLAZE 0 5%	1/10W	R3311	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2335	1-216-295-00	METAL GLAZE 0 5%	1/10W	R3312	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2336	1-216-295-00	METAL GLAZE 0 5%	1/10W	R3313	1-216-083-00	METAL GLAZE 27K 5%	1/10W
R2337	1-216-033-00	METAL GLAZE 220 5%	1/10W	R3314	1-216-689-11	METAL GLAZE 39K 5%	1/10W
R2338	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R3315	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R2340	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R3316	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R2341	1-216-041-00	METAL GLAZE 470 5%	1/10W	R3318	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R2342	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R3319	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2343	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R3320	1-216-017-00	METAL GLAZE 47 5%	1/10W
R2344	1-216-033-00	METAL GLAZE 220 5%	1/10W	R3321	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R2345	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R3323	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R2346	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R3324	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R2347	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R3325	1-216-025-00	METAL GLAZE 100 5%	1/10W
R2350	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R3328	1-216-001-00	METAL GLAZE 10 5%	1/10W
R2351	1-216-033-00	METAL GLAZE 220 5%	1/10W	R3330	1-216-033-00	METAL GLAZE 220 5%	1/10W
R2352	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R3331	1-216-033-00	METAL GLAZE 220 5%	1/10W
R2353	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R3332	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2354	1-216-210-00	METAL GLAZE 3.3K 5%	1/8W	R3339	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R2355	1-216-178-00	METAL GLAZE 150 5%	1/8W	R3340	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R2356	1-216-677-11	METAL CHIP 12K 0.50%	1/10W	R3341	1-216-677-11	METAL CHIP 12K 0.50%	1/10W
R2357	1-216-670-11	METAL CHIP 6.2K 0.50%	1/10W	R3342	1-216-670-11	METAL CHIP 6.2K 0.50%	1/10W
R2359	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R3343	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R2360	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R3344	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R2361	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R3349	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R2362	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R3350	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R2363	1-216-041-00	METAL GLAZE 470 5%	1/10W	R3351	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R2364	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R3353	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W
				R3361	1-216-049-00	METAL GLAZE 1K 5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R3362	1-216-073-00	METAL GLAZE 10K 5%	1/10W	D011	8-719-404-46	DIODE MA110	
R3364	1-216-295-00	METAL GLAZE 0 5%	1/10W	D012	8-719-404-46	DIODE MA110	
R3365	1-216-097-00	METAL GLAZE 100K 5%	1/10W	D014	8-719-404-46	DIODE MA110	
R3367	1-216-077-00	METAL GLAZE 15K 5%	1/10W	D015	8-719-404-46	DIODE MA110	
R3368	1-216-083-00	METAL GLAZE 27K 5%	1/10W				
R3369	1-216-001-00	METAL GLAZE 10 5%	1/10W				
R3370	1-216-001-00	METAL GLAZE 10 5%	1/10W				<IC>
R3371	1-216-001-00	METAL GLAZE 10 5%	1/10W				
R3374	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	IC001	8-759-194-83	IC TMC73C247-11	
R3392	1-216-089-91	METAL GLAZE 47K 5%	1/10W	IC002	8-759-403-44	IC MN1280-S	
R3401	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				
R7312	1-216-049-00	METAL GLAZE 1K 5%	1/10W				<COIL>
R7313	1-216-047-00	METAL GLAZE 820 5%	1/10W				
R7314	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	L001	1-408-409-00	INDUCTOR	10UH
				L002	1-410-476-11	INDUCTOR	33UH
<CRYSTAL>							
X2301	1-577-071-11	VIBRATOR, CERAMIC					

*A-1306-435-A M BOARD, COMPLETE				M-39	*1-564-521-11	PLUG, CONNECTOR 6P	
*****				M-45	1-564-523-11	PLUG, CONNECTOR 8P	
*****				M-001	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P	
<TRANSISTOR>							
<CAPACITOR>				Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
C001	1-124-261-00	ELECT 10MF	20%	Q002	8-729-216-22	TRANSISTOR 2SA1162-G	
C002	1-163-125-00	CERAMIC CHIP 220PF	5%	Q003	8-729-216-22	TRANSISTOR 2SA1162-G	
C003	1-136-161-00	FILM 0.047MF	5%	Q004	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C004	1-126-301-11	ELECT 1MF	20%	Q005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C005	1-163-125-00	CERAMIC CHIP 220PF	5%	Q006	8-729-216-22	TRANSISTOR 2SA1162-G	
C014	1-124-910-11	ELECT 47MF	20%	Q007	8-729-216-22	TRANSISTOR 2SA1162-G	
C015	1-124-464-11	ELECT 0.22MF	20%	Q008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C017	1-124-589-11	ELECT 47MF	20%	Q009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C018	1-163-141-00	CERAMIC CHIP 0.001MF	5%	Q010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C019	1-164-695-11	CERAMIC CHIP 0.0022MF	5%	Q011	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C020	1-163-241-11	CERAMIC CHIP 39PF	5%	Q012	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C021	1-163-239-11	CERAMIC CHIP 33PF	5%	Q013	8-729-216-22	TRANSISTOR 2SA1162-G	
C029	1-163-249-11	CERAMIC CHIP 82PF	5%	Q014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C030	1-163-249-11	CERAMIC CHIP 82PF	5%				
C034	1-163-125-00	CERAMIC CHIP 220PF	5%				
<RESISTOR>							
C035	1-163-125-00	CERAMIC CHIP 220PF	5%	R001	1-216-045-00	METAL GLAZE 680 5%	1/10W
C036	1-163-125-00	CERAMIC CHIP 220PF	5%	R002	1-216-097-00	METAL GLAZE 100K 5%	1/10W
C041	1-163-117-00	CERAMIC CHIP 100PF	5%	R003	1-216-121-00	METAL GLAZE 1M 5%	1/10W
C042	1-163-117-00	CERAMIC CHIP 100PF	5%	R004	1-216-073-00	METAL GLAZE 10K 5%	1/10W
C045	1-163-125-00	CERAMIC CHIP 220PF	5%	R005	1-216-073-00	METAL GLAZE 10K 5%	1/10W
C047	1-124-261-00	ELECT 10MF	20%	R006	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
C048	1-124-261-00	ELECT 10MF	20%	R007	1-216-027-00	METAL GLAZE 120 5%	1/10W
C049	1-124-261-00	ELECT 10MF	20%	R008	1-216-041-00	METAL GLAZE 470 5%	1/10W
C055	1-163-809-11	CERAMIC CHIP 0.047MF	10%	R009	1-216-027-00	METAL GLAZE 120 5%	1/10W
C064	1-163-121-00	CERAMIC CHIP 150PF	5%	R011	1-216-033-00	METAL GLAZE 220 5%	1/10W
C065	1-124-257-00	ELECT 2.2MF	20%	R012	1-216-033-00	METAL GLAZE 220 5%	1/10W
				R013	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
				R014	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R015	1-216-089-91	METAL GLAZE 47K 5%	1/10W
				R016	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
<DIODE>				R017	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
D001	8-719-404-46	DIODE MA110		R018	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
D002	8-719-404-46	DIODE MA110		R019	1-216-073-00	METAL GLAZE 10K 5%	1/10W
D003	8-719-404-46	DIODE MA110		R020	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
D004	8-719-404-46	DIODE MA110		R021	1-216-097-00	METAL GLAZE 100K 5%	1/10W
D005	8-719-404-46	DIODE MA110		R022	1-216-089-91	METAL GLAZE 47K 5%	1/10W
D006	8-719-404-46	DIODE MA110		R023	1-216-093-00	METAL GLAZE 68K 5%	1/10W
D007	8-719-404-46	DIODE MA110		R024	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
D008	8-719-404-46	DIODE MA110		R025	1-216-073-00	METAL GLAZE 10K 5%	1/10W
D009	8-719-404-46	DIODE MA110					
D010	8-713-300-57	DIODE 1T33					

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R026	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R092	1-216-077-00	METAL GLAZE	15K 5%	1/10W
R027	1-216-041-00	METAL GLAZE	470 5%	1/10W	R093	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W
R028	1-216-023-00	METAL GLAZE	82 5%	1/10W	R094	1-216-033-00	METAL GLAZE	220 5%	1/10W
R029	1-216-097-00	METAL GLAZE	100K 5%	1/10W	R095	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R030	1-216-097-00	METAL GLAZE	100K 5%	1/10W	R096	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W
R031	1-216-089-91	METAL GLAZE	47K 5%	1/10W	R097	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W
R032	1-216-089-91	METAL GLAZE	47K 5%	1/10W	R098	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W
R033	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R099	1-216-089-91	METAL GLAZE	47K 5%	1/10W
R034	1-216-033-00	METAL GLAZE	220 5%	1/10W	R100	1-216-025-00	METAL GLAZE	100 5%	1/10W
R035	1-216-033-00	METAL GLAZE	220 5%	1/10W	R101	1-216-025-00	METAL GLAZE	100 5%	1/10W
R036	1-216-033-00	METAL GLAZE	220 5%	1/10W	R102	1-216-089-91	METAL GLAZE	47K 5%	1/10W
R037	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R103	1-216-033-00	METAL GLAZE	220 5%	1/10W
R038	1-216-033-00	METAL GLAZE	220 5%	1/10W	R104	1-216-033-00	METAL GLAZE	220 5%	1/10W
R039	1-216-073-00	METAL GLAZE	10K 5%	1/10W					
R040	1-216-089-91	METAL GLAZE	47K 5%	1/10W					
R041	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W					
R042	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R043	1-216-033-00	METAL GLAZE	220 5%	1/10W					
R044	1-216-033-00	METAL GLAZE	220 5%	1/10W					
R045	1-216-025-00	METAL GLAZE	100 5%	1/10W					
R046	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R047	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R048	1-216-033-00	METAL GLAZE	220 5%	1/10W					
R049	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W					
R050	1-216-295-00	METAL GLAZE	0 5%	1/10W					
R051	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3001	1-163-111-00	CERAMIC CHIP 56PF	5%	50V
R052	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3002	1-163-127-00	CERAMIC CHIP 270PF	5%	50V
R053	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3003	1-163-127-00	CERAMIC CHIP 270PF	5%	50V
R054	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C3004	1-124-034-51	ELECT 33MF	20%	16V
R055	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C3005	1-124-034-51	ELECT 33MF	20%	16V
R056	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3006	1-126-177-11	ELECT 100MF	20%	6.3V
R057	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3007	1-126-177-11	ELECT 100MF	20%	6.3V
R058	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3008	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
R059	1-216-073-00	METAL GLAZE	10K 5%	1/10W	C3009	1-163-119-00	CERAMIC CHIP 120PF	5%	50V
R060	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3010	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
R063	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3011	1-163-119-00	CERAMIC CHIP 120PF	5%	50V
R064	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W	C3012	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
R065	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3013	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
R066	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3014	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V
R067	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3015	1-130-483-00	MYLAR 0.01MF	5%	50V
R068	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3016	1-126-177-11	ELECT 100MF	20%	6.3V
R069	1-216-049-00	METAL GLAZE	1K 5%	1/10W	C3017	1-126-301-11	ELECT 1MF	20%	50V
R070	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3018	1-130-477-00	MYLAR 0.0033MF	5%	50V
R071	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3019	1-163-127-00	CERAMIC CHIP 270PF	5%	50V
R072	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3020	1-163-121-00	CERAMIC CHIP 150PF	5%	50V
R073	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C3021	1-163-101-00	CERAMIC CHIP 22PF	5%	50V
R074	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3022	1-163-115-00	CERAMIC CHIP 82PF	5%	50V
R075	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3023	1-126-301-11	ELECT 1MF	20%	50V
R076	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C3024	1-126-177-11	ELECT 100MF	20%	6.3V
R077	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C3025	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
R078	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3026	1-163-101-00	CERAMIC CHIP 22PF	5%	50V
R079	1-216-025-00	METAL GLAZE	100 5%	1/10W	C3027	1-124-034-51	ELECT 33MF	20%	16V
R080	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	C3028	1-163-085-00	CERAMIC CHIP 2PF	0.25PF	50V
R081	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3029	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
R082	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3030	1-124-034-51	ELECT 33MF	20%	16V
R083	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3031	1-126-096-11	ELECT 10MF	20%	25V
R084	1-216-097-00	METAL GLAZE	100K 5%	1/10W	C3032	1-130-479-00	MYLAR 0.0047MF	5%	50V
R085	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3033	1-124-465-00	ELECT 0.47MF	20%	50V
R086	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3034	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
R087	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3035	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
R088	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3036	1-124-034-51	ELECT 33MF	20%	16V
R089	1-216-089-91	METAL GLAZE	47K 5%	1/10W	C3037	1-126-163-11	ELECT 4.7MF	20%	50V
R090	1-216-033-00	METAL GLAZE	220 5%	1/10W	C3038	1-124-034-51	ELECT 33MF	20%	16V
R091	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	C3039	1-126-163-11	ELECT 4.7MF	20%	50V

P2

X3

Les composants identifiés par une trame et par une marque **▲** sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R3033	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C2508	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
R3034	1-216-033-00	METAL GLAZE	220 5% 1/10W	C2509	1-126-163-11	ELECT 4.7MF	20% 50V
R3035	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C2512	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3036	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2513	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
R3037	1-216-047-00	METAL GLAZE	820 5% 1/10W	C2514	1-126-163-11	ELECT 4.7MF	20% 16V
R3038	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2516	1-126-163-11	ELECT 4.7MF	20% 50V
R3039	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	C2517	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3040	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2518	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3041	1-216-033-00	METAL GLAZE	220 5% 1/10W	C2519	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3042	1-216-077-00	METAL GLAZE	15K 5% 1/10W	C2520	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3043	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C2521	1-163-088-00	CERAMIC CHIP 5PF	0.25PF 50V
R3044	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2522	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
R3045	1-216-077-00	METAL GLAZE	15K 5% 1/10W	C2523	1-163-100-00	CERAMIC CHIP 20PF	5% 50V
R3046	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C2524	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3047	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2525	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3048	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2526	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3049	1-216-662-11	METAL CHIP	3K 0.50% 1/10W	C2527	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3050	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	C2528	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3051	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C2529	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3052	1-216-295-00	METAL GLAZE	0 5% 1/10W	C2532	1-126-163-11	ELECT 4.7MF	20% 16V
R3054	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C2536	1-124-589-11	ELECT 47MF	20% 16V
R3055	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C2537	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3056	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C2540	1-126-163-11	ELECT 4.7MF	20% 16V
R3057	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	C2544	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3058	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2545	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3059	1-216-689-11	METAL GLAZE	39K 5% 1/10W	C2546	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3060	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	C2547	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3061	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	C2548	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3062	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C2549	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3063	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C2550	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3064	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C2551	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3065	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C2552	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3066	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	C2553	1-126-177-11	ELECT 100MF	20% 10V
R3067	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	C2554	1-163-033-00	CERAMIC CHIP 0.022MF	50V
R3068	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	C2557	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3069	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	C2558	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R3070	1-216-047-00	METAL GLAZE	820 5% 1/10W	C2560	1-126-163-11	ELECT 4.7MF	20% 16V
R3071	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	C2561	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
R3072	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C2562	1-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V
R3073	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	C2563	1-164-695-11	CERAMIC CHIP 0.0022MF	5% 50V
R3074	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C2566	1-126-163-11	ELECT 4.7MF	20% 16V
R3080 ▲ 1-216-358-91 METAL OXIDE				C2569	1-164-695-11	CERAMIC CHIP 0.0022MF	5% 50V
<VARIABLE RESISTOR>				C2570	1-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V
RV3001 1-238-012-11 RES, ADJ, CARBON 1K				C2571	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
RV3002 1-238-012-11 RES, ADJ, CARBON 1K				C2572	1-164-695-11	CERAMIC CHIP 0.0022MF	5% 50V
<TRANSFORMER>				C2573	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
T3001 1-404-607-11 COIL				C2574	1-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V
T3002 1-404-607-11 COIL				C2575	1-163-031-11	CERAMIC CHIP 0.01MF	50V
*****				C2577	1-124-465-00	ELECT 0.47MF	20% 50V
*A-1394-446-A X3 BOARD, COMPLETE				C2578	1-124-465-00	ELECT 0.47MF	20% 50V
*****				C2579	1-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V
<CAPACITOR>				C2580	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
C2501 1-124-477-11 ELECT 47MF 20% 16V				C2581	1-164-695-11	CERAMIC CHIP 0.0022MF	5% 50V
C2502 1-124-477-11 ELECT 47MF 20% 16V				C2582	1-124-234-00	ELECT 22MF	20% 16V
C2505 1-124-638-11 ELECT 22MF 20% 6.3V				C2583	1-124-589-11	ELECT 47MF	20% 16V
C2506 1-126-177-11 ELECT 100MF 20% 10V				C2590	1-135-179-21	TANTAL. CHIP 2.2MF	20% 16V
C2507 1-126-163-11 ELECT 4.7MF 20% 16V				C2591	1-135-179-21	TANTAL. CHIP 2.2MF	20% 16V
				C2592	1-135-179-21	TANTAL. CHIP 2.2MF	20% 16V
				C2593	1-135-179-21	TANTAL. CHIP 2.2MF	20% 16V
				<DIODE>			
D2501 8-719-404-46 DIODE MA110							

X3

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<FERRITE BEAD>							
FB2502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R2511	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
FB2504	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R2512	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
<FILTER>							
FL2501	1-236-164-11	ENCAPSULATED COMPONENT		R2513	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2503	1-236-164-11	ENCAPSULATED COMPONENT		R2518	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2505	1-236-164-11	ENCAPSULATED COMPONENT		R2519	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2506	1-236-129-11	ENCAPSULATED COMPONENT		R2520	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2507	1-236-129-11	ENCAPSULATED COMPONENT		R2521	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2508	1-236-129-11	ENCAPSULATED COMPONENT		R2522	1-216-025-00	METAL GLAZE	100 5% 1/10W
FL2509	1-236-129-11	ENCAPSULATED COMPONENT		R2531	1-216-049-00	METAL GLAZE	1K 5% 1/10W
<IC>							
IC2501	8-759-052-52	IC L78M05T-FA		R2532	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2502	8-759-031-31	IC MC33174M		R2533	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
IC2503	8-752-344-45	IC CXD2555Q		R2534	1-216-675-11	METAL CHIP	10K 0.50% 1/10W
IC2504	8-752-343-18	IC CXD2704Q		R2535	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
IC2506	8-759-031-31	IC MC33174M		R2536	1-216-687-11	METAL CHIP	33K 0.50% 1/10W
IC2507	8-752-344-45	IC CXD2555Q		R2537	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
IC2508	8-752-844-48	IC CXP5068H-205Q		R2538	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
IC2509	8-759-042-02	IC S-80743AL-A7-S		R2539	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2510	8-752-332-80	IC CXD1160AQ		R2540	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2511	8-759-932-21	IC MB81256-12PSZ		R2541	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2512	8-759-069-14	IC M51132L		R2542	1-216-049-00	METAL GLAZE	1K 5% 1/10W
IC2513	8-759-100-96	IC UPC4558G2		R2543	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
<JACK>							
J2501	1-573-966-11	PIN, CONNECTOR (PC BOARD) 36P		R2544	1-216-675-11	METAL CHIP	10K 0.50% 1/10W
<COIL>							
L2501	1-410-204-31	INDUCTOR CHIP 10UH		R2545	1-216-687-11	METAL CHIP	33K 0.50% 1/10W
L2504	1-410-204-31	INDUCTOR CHIP 10UH		R2546	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
L2505	1-410-196-11	INDUCTOR CHIP 2.2UH		R2547	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
L2510	1-410-204-31	INDUCTOR CHIP 10UH		R2548	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
L2511	1-410-204-31	INDUCTOR CHIP 10UH		R2549	1-216-049-00	METAL GLAZE	1K 5% 1/10W
L2512	1-410-204-31	INDUCTOR CHIP 10UH		R2550	1-216-049-00	METAL GLAZE	1K 5% 1/10W
L2513	1-410-204-31	INDUCTOR CHIP 10UH		R2551	1-216-049-00	METAL GLAZE	1K 5% 1/10W
L2514	1-410-204-31	INDUCTOR CHIP 10UH		R2552	1-216-025-00	METAL GLAZE	100 5% 1/10W
L2515	1-410-204-31	INDUCTOR CHIP 10UH		R2557	1-216-025-00	METAL GLAZE	100 5% 1/10W
L2516	1-410-204-31	INDUCTOR CHIP 10UH		R2559	1-216-025-00	METAL GLAZE	100 5% 1/10W
L2517	1-410-204-31	INDUCTOR CHIP 10UH		R2560	1-216-025-00	METAL GLAZE	100 5% 1/10W
<TRANSISTOR>							
Q2501	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2561	1-216-073-00	METAL GLAZE	10K 5% 1/10W
<RESISTOR>							
R2501	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R2562	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2502	1-216-699-11	METAL CHIP	100K 0.50% 1/10W	R2563	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2505	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R2568	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2506	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R2569	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2507	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R2570	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R2508	1-216-699-11	METAL CHIP	100K 0.50% 1/10W	R2571	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2509	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R2572	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2510	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R2573	1-216-025-00	METAL GLAZE	100 5% 1/10W
				R2574	1-216-025-00	METAL GLAZE	100 5% 1/10W
<COOLING FAN>							
R2575	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2576	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2577	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2578	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2579	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2580	1-216-025-00	METAL GLAZE	100 5% 1/10W
<CONNECTOR>							
R2583	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2584	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2584	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2585	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2585	1-216-025-00	METAL GLAZE	100 5% 1/10W	R2590	1-216-631-11	METAL CHIP	150 0.50% 1/10W
R2591	1-216-631-11	METAL CHIP	150 0.50% 1/10W	R2592	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R2592	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R2593	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R2593	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R2594	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R2594	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R2595	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R2595	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R2596	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R2596	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R2597	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W

X3

Y2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R2598	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C462	1-124-499-11	ELECT	1MF 20% 50V
R2599	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C465	1-130-485-00	MYLAR	0.015MF 5% 50V
R2600	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C466	1-130-485-00	MYLAR	0.015MF 5% 50V
R2601	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C467	1-136-169-00	FILM	0.22MF 5% 50V
R2602	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C468	1-136-169-00	FILM	0.22MF 5% 50V
R2603	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	C469	1-126-157-11	ELECT	10MF 20% 16V
R2605	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	C470	1-126-157-11	ELECT	10MF 20% 16V
R2606	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	C471	1-124-589-11	ELECT	47MF 20% 16V
R2607	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	C472	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R2608	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	C473	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R2609	1-216-025-00	METAL GLAZE	100 5% 1/10W	C474	1-124-234-00	ELECT	22MF 20% 16V
R2610	1-216-025-00	METAL GLAZE	100 5% 1/10W	C475	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
R2611	1-216-025-00	METAL GLAZE	100 5% 1/10W	C476	1-124-234-00	ELECT	22MF 20% 16V
R2612	1-216-025-00	METAL GLAZE	100 5% 1/10W	C477	1-164-232-11	CERAMIC CHIP	0.01MF 10% 50V
<CRYSTAL>							
X2501	1-579-692-31	VIBRATOR, CRYSTAL		C480	1-124-768-11	ELECT	4.7MF 20% 50V

*A-1394-442-A Y2 BOARD, COMPLETE							

<CAPACITOR>							
C401	1-124-234-00	ELECT	22MF 20% 16V	<DIODE>			
C424	1-126-301-11	ELECT	1MF 20% 50V	D405	8-719-107-13	DIODE RD18M-B1	
C425	1-126-301-11	ELECT	1MF 20% 50V	D406	8-719-107-13	DIODE RD18M-B1	
C426	1-126-301-11	ELECT	1MF 20% 50V	D407	8-719-107-13	DIODE RD18M-B1	
C427	1-124-465-00	ELECT	0.47MF 20% 50V	D408	8-719-105-83	DIODE RD5.1M-B3	
C428	1-126-163-11	ELECT	4.7MF 20% 50V	D409	8-719-981-50	DIODE RB-100A	
C429	1-124-478-11	ELECT	100MF 20% 25V	D410	8-719-981-50	DIODE RB-100A	
C430	1-124-261-00	ELECT	10MF 20% 50V	D413	8-719-158-19	DIODE RD6.2SB	
C431	1-126-301-11	ELECT	1MF 20% 50V	D414	8-719-158-55	DIODE RD15SB	
C432	1-126-301-11	ELECT	1MF 20% 50V	D415	8-719-158-55	DIODE RD15SB	
C433	1-131-347-00	TANTALUM	1MF 20% 16V	<IC>			
C434	1-126-301-11	ELECT	1MF 20% 50V	IC403	8-759-996-43	IC RC4558PS	
C435	1-130-994-11	FILM	0.033MF 5% 50V	IC404	8-759-067-24	IC 24C04AI/P	
C436	1-126-301-11	ELECT	1MF 20% 50V	IC406	8-752-037-24	IC CXA1264AS	
C437	1-137-372-11	FILM	0.022MF 5% 50V	IC407	8-759-245-75	IC TA8184P	
C438	1-126-301-11	ELECT	1MF 20% 50V	IC408	8-752-057-18	IC CXA1315P	
C439	1-124-034-51	ELECT	33MF 20% 16V	<TRANSISTOR>			
C440	1-126-301-11	ELECT	1MF 20% 50V	Q404	8-729-216-22	TRANSISTOR 2SA1162-G	
C441	1-126-301-11	ELECT	1MF 20% 50V	Q405	8-729-216-22	TRANSISTOR 2SA1162-G	
C442	1-124-261-00	ELECT	10MF 20% 50V	Q409	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C443	1-124-589-11	ELECT	47MF 20% 16V	Q410	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C444	1-126-163-11	ELECT	4.7MF 20% 50V	<RESISTOR>			
C445	1-126-163-11	ELECT	4.7MF 20% 50V	R447	1-216-033-00	METAL GLAZE	220 5% 1/10W
C446	1-124-234-00	ELECT	22MF 20% 16V	R453	1-216-033-00	METAL GLAZE	220 5% 1/10W
C447	1-126-301-11	ELECT	1MF 20% 50V	R464	1-216-081-00	METAL GLAZE	22K 5% 1/10W
C448	1-136-170-00	FILM	0.27MF 5% 50V	R465	1-216-081-00	METAL GLAZE	22K 5% 1/10W
C449	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	R466	1-216-025-00	METAL GLAZE	100 5% 1/10W
C450	1-137-366-11	FILM	0.0022MF 5% 50V	R467	1-216-033-00	METAL GLAZE	220 5% 1/10W
C451	1-124-261-00	ELECT	10MF 20% 50V	R468	1-216-033-00	METAL GLAZE	220 5% 1/10W
C452	1-124-261-00	ELECT	10MF 20% 50V	R469	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
C453	1-137-366-11	FILM	0.0022MF 5% 50V	R470	1-216-033-00	METAL GLAZE	220 5% 1/10W
C454	1-131-368-00	TANTALUM	3.3MF 10% 16V	R471	1-216-033-00	METAL GLAZE	220 5% 1/10W
C455	1-131-347-00	TANTALUM	1MF 20% 16V				
C456	1-136-171-00	FILM	0.33MF 5% 50V				
C457	1-136-175-00	FILM	0.68MF 5% 50V				
C458	1-126-101-11	ELECT	100MF 20% 16V				
C459	1-126-101-11	ELECT	100MF 20% 16V				
C460	1-126-101-11	ELECT	100MF 20% 16V				
C461	1-124-499-11	ELECT	1MF 20% 50V				

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

Y2 | G

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Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D609	8-719-109-84	DIODE RD5.1RSB1		L602	1-459-862-11	<COIL> COIL, CHOKE	90UH
D610	8-719-979-58	DIODE EGP10D		L604	1-408-404-00	INDUCTOR	3.9UH
D611	8-719-979-58	DIODE EGP10D		L605	1-412-526-11	INDUCTOR	12UH
D613	8-719-300-33	DIODE RU-3AM		L607	1-408-404-00	INDUCTOR	3.9UH
D614	8-719-979-58	DIODE EGP10D		L611	1-412-546-41	INDUCTOR	560UH
D615	8-719-975-76	DIODE SB140		L612	1-412-540-31	INDUCTOR	180UH
D616	8-719-025-81	DIODE S3V10SB					
D617	8-719-110-02	DIODE RD7.5ESB1					
D618	8-719-911-19	DIODE ISS119					
D619	8-719-975-76	DIODE SB140					
D621	8-719-908-03	DIODE GP08D					
D622	8-719-908-03	DIODE GP08D					
D623	8-719-110-63	DIODE RD24ESB3					
D624	8-719-109-89	DIODE RD5.6ESB2					
D626	8-719-908-03	DIODE GP08D					
D628	8-719-110-49	DIODE RD18ESB2					
D629	8-719-911-19	DIODE ISS119					
D631	8-719-911-19	DIODE ISS119					
D632	8-719-511-40	DIODE S1VB40					
D633	Δ 8-719-505-60	DIODE S5VB60					
D634	8-719-911-19	DIODE ISS119					
D636	8-719-109-85	DIODE RD5.1ESB2					
D638	8-719-911-19	DIODE ISS119					
D650	8-719-160-81	DIODE RD27FB2					
<FUSE>							
F601	Δ 1-532-748-11	FUSE, GLASS TUBE 6.3A/125V					
	1-533-223-11	CLIP, FUSE; F601					
<FERRITE BEAD>							
FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R604	1-202-933-61	<RESISTOR> FUSIBLE	0.1 10%
FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R605	1-249-428-11	CARBON	8.2K 5%
FB606	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R606	1-214-919-00	METAL	180K 1%
FB607	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R609	1-249-434-11	CARBON	27K 5%
FB608	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R610	1-215-469-00	METAL	100K 1%
FB630	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R611	1-249-421-11	CARBON	2.2K 5%
FB631	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R612	1-202-883-11	SOLID	680K 20%
				R613	Δ 1-216-386-91	METAL OXIDE	0.56 5%
				R614	1-249-418-11	CARBON	1.2K 5%
				R615	1-215-438-00	METAL	5.1K 1%
				R616	1-215-436-00	METAL	4.3K 1%
				R617	Δ 1-216-356-91	METAL OXIDE	3.9 5%
				R618	1-249-418-11	CARBON	1.2K 5%
				R619	Δ 1-216-444-91	METAL OXIDE	82K 5%
				R620	1-249-418-11	CARBON	1.2K 5%
				R621	1-247-691-11	CARBON	18 5%
				R622	1-249-424-11	CARBON	3.9K 5%
				R623	1-249-417-11	CARBON	1K 5%
				R624	1-214-780-00	METAL	130K 1%
				R625	Δ 1-216-386-91	METAL OXIDE	0.56 5%
				R626	Δ 1-216-356-91	METAL OXIDE	3.9 5%
				R627	1-202-883-11	SOLID	680K 20%
				R628	1-249-410-11	CARBON	270 5%
				R629	Δ 1-217-249-11	WIREWOUND	1 10%
				R631	1-249-417-11	CARBON	1K 5%
				R632	1-214-913-00	METAL	100K 1%
				R633	1-249-429-11	CARBON	10K 5%
				R634	1-249-441-11	CARBON	100K 5%
				R638	1-247-807-31	CARBON	100 5%
				R639	1-247-807-31	CARBON	100 5%
				R640	1-249-421-11	CARBON	2.2K 5%
				R641	1-249-429-11	CARBON	10K 5%
				R642	1-215-421-00	METAL	1K 1%
				R643	1-260-123-11	CARBON	100K 5%

The components identified by shading and mark **△** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et par une marque **△** sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R644	1-249-415-11	CARBON	680 5% 1/4W	CR3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
R645	1-249-417-11	CARBON	1K 5% 1/4W	CR4	1-564-511-11	PLUG, CONNECTOR 8P	
R649	1-249-424-11	CARBON	3.9K 5% 1/4W	CR15	*1-564-508-11	PLUG, CONNECTOR 5P	
R650	1-249-377-11	CARBON	0.47 5% 1/4W F				
R651	1-215-429-00	METAL	2.2K 1% 1/4W				
<SOCKET>							
R652 △	1-215-429-00	METAL	1/4W	CRT701	A1-251-026-11	SOCKET, PICTURE TUBE	
R654	1-215-429-00	METAL	2.2K 1% 1/4W				
R655	1-249-426-11	CARBON	5.6K 5% 1/4W				
R656	1-215-454-00	METAL	24K 1% 1/4W				
R657 △ 1-216-386-91	METAL OXIDE	0.56 5% 3W F					
<DIODE>							
R660	1-249-413-11	CARBON	470 5% 1/4W	D701	8-719-911-19	DIODE 1SS119	
R661 △ 1-202-884-91	SOLID	820K 20% 1/2W	D702	8-719-911-19	DIODE 1SS119		
R662 △ 1-205-900-11	WIREWOUND	1.2 5% 15W	D703	8-719-911-19	DIODE 1SS119		
R663 △ 1-215-904-91	METAL OXIDE	100K 5% 2W F	D704	8-719-911-19	DIODE 1SS119		
R666	1-249-377-11	CARBON	0.47 5% 1/4W F	D705	8-719-911-19	DIODE 1SS119	
R667 △ 1-202-888-91	SOLID	2.2M 20% 1/2W	D706	8-719-911-19	DIODE 1SS119		
R668 △ 1-215-904-91	METAL OXIDE	100K 5% 2W F	D707	8-719-110-36	DIODE RD13ESB2		
R669	1-249-377-11	CARBON	0.47 5% 1/4W F				
R675	1-249-377-11	CARBON	0.47 5% 1/4W F				
R687	1-249-417-11	CARBON	1K 5% 1/4W F				
R689	1-247-742-11	CARBON	180 5% 1/2W F	L701	1-408-429-00	INDUCTOR	470UH
R691	1-249-421-11	CARBON	2.2K 5% 1/4W	L702	1-249-470-11	CARBON	0.47 5% 1/2W F
R694	1-249-421-11	CARBON	2.2K 5% 1/4W	L704	1-408-413-00	INDUCTOR	22UH
R697	1-249-382-11	CARBON	1.2 5% 1/4W F				
R698 △ 1-216-386-91	METAL OXIDE	0.56 5% 3W F					
<COIL>							
L701	1-408-429-00	INDUCTOR	470UH				
L702	1-249-470-11	CARBON	0.47 5% 1/2W F				
L704	1-408-413-00	INDUCTOR	22UH				
<NEON LAMP>							
NL701	1-519-108-99	LAMP, NEON					
NL702	1-519-108-99	LAMP, NEON					
<TRANSISTOR>							
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q703	8-729-119-80	TRANSISTOR 2SC2688-LK					
	4-373-933-01	SHEET (TRANSISTOR), BN; Q703					
	4-382-854-11	SCREW (M3X10), P, SW (+); Q703					
Q704	8-729-255-12	TRANSISTOR 2SC2551-0					
Q705	8-729-200-17	TRANSISTOR 2SA1091-0					
Q706	8-729-200-17	TRANSISTOR 2SA1091-0					
<RESISTOR>							
R701	1-202-847-00	SOLID	560K 20% 1/2W				
R702	1-202-814-11	SOLID	33K 20% 1/2W				
R703	1-202-818-00	SOLID	1K 20% 1/2W				
R704	1-202-842-11	SOLID	220K 20% 1/2W				
R705	1-202-828-11	SOLID	6.8K 20% 1/2W				
R706	1-202-561-00	SOLID	330 20% 1/2W				
R707 △ 1-216-510-51	METAL OXIDE	8.2K 5% 5W F					
R708	1-247-807-31	CARBON	100 5% 1/4W F				
R709	1-247-807-31	CARBON	100 5% 1/4W F				
R710 △ 1-215-927-91	METAL OXIDE	47K 5% 3W F					
<VARISTOR>							
VDR601	A1-809-786-11	VARISTOR					

*A-1331-259-A CR BOARD, COMPLETE							

<CAPACITOR>							
C701	1-162-115-00	CERAMIC	330PF 10% 2KV	R711	1-247-807-31	CARBON	100 5% 1/4W F
C702	1-123-948-00	ELECT	22MF 20% 250V	R712	1-249-421-11	CARBON	2.2K 5% 1/4W F
C703	1-102-050-00	CERAMIC	0.01MF	R714	1-249-401-11	CARBON	47 5% 1/4W
C704	1-162-115-00	CERAMIC	330PF 10% 2KV	R716	1-247-807-31	CARBON	100 5% 1/4W
C705	1-130-479-00	MYLAR	0.0047MF 5% 50V	R717	1-249-403-11	CARBON	68 5% 1/4W
C706	1-101-006-00	CERAMIC	0.047MF	R718	1-249-412-11	CARBON	390 5% 1/4W
C707	1-101-006-00	CERAMIC	0.047MF	R719	1-249-410-11	CARBON	270 5% 1/4W
C709	1-124-120-11	ELECT	220MF 20% 16V	R720	1-247-807-31	CARBON	100 5% 1/4W
C710	1-124-120-11	ELECT	220MF 20% 16V	R721	1-249-409-11	CARBON	220 5% 1/4W
C711	1-102-114-00	CERAMIC	470PF 10% 50V	R722	1-215-423-00	METAL	1.2K 1% 1/4W
<CONNECTOR>							
CR1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		R723	1-249-410-11	CARBON	270 5% 1/4W
				R724	1-215-429-00	METAL	2.2K 1% 1/4W

- The components identified by **■** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- * : Selected to yield optimum performance.

CR **CG** **CB**

Les composants identifiés par une trame et par une marque **▲** sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<SPARK GAP>											
SG701	1-519-422-11	GAP, SPARK		R731	1-202-847-00	SOLID	560K 20% 1/2W				
SG702	1-519-422-11	GAP, SPARK		R732	1-202-814-11	SOLID	33K 20% 1/2W				

*A-1331-260-A	CG BOARD, COMPLETE			R733	1-202-818-00	SOLID	1K 20% 1/2W				

4-373-933-01	SHEET (TRANSISTOR), BN			R734	1-202-842-11	SOLID	220K 20% 1/2W				
4-382-854-11	SCREW (M3X10), P, SW (+)			R735	1-202-828-11	SOLID	6.8K 20% 1/2W				
<RESISTOR>											
R736	8-729-200-17	TRANSISTOR 2SA1091-0		R736	1-202-561-00	SOLID	330 20% 1/2W				
R737	▲1-216-510-51	METAL OXIDE	8.2K 5% 5W F	R737	▲1-216-510-51	METAL OXIDE	8.2K 5% 5W F				
R738	1-247-807-31	CARBON	100 5% 1/4W F	R738	1-247-807-31	CARBON	100 5% 1/4W F				
R739	1-247-807-31	CARBON	100 5% 1/4W F	R739	1-247-807-31	CARBON	100 5% 1/4W F				
R740	▲1-215-927-91	METAL OXIDE	47K 5% 3W F	R740	▲1-215-927-91	METAL OXIDE	47K 5% 3W F				
<CAPACITOR>											
C731	1-162-115-00	CERAMIC	330PF	R741	1-247-807-31	CARBON	100 5% 1/4W F				
C732	1-123-948-00	ELECT	22MF	R742	1-249-421-11	CARBON	2.2K 5% 1/4W F				
C733	1-102-050-00	CERAMIC	0.01MF	R744	1-249-401-11	CARBON	47 5% 1/4W				
C734	1-162-115-00	CERAMIC	330PF	R745	1-215-455-00	METAL	27K 1% 1/4W				
C735	1-130-479-00	MYLAR	0.0047MF	R746	1-247-807-31	CARBON	100 5% 1/4W				
C736	1-101-006-00	CERAMIC	0.047MF	R747	1-249-403-11	CARBON	68 5% 1/4W				
C737	1-101-006-00	CERAMIC	0.047MF	R748	1-249-412-11	CARBON	390 5% 1/4W				
C739	1-124-120-11	ELECT	220MF	R749	1-249-410-11	CARBON	270 5% 1/4W				
C740	1-124-120-11	ELECT	220MF	R750	1-247-807-31	CARBON	100 5% 1/4W				
C741	1-102-114-00	CERAMIC	470PF	R751	1-249-409-11	CARBON	220 5% 1/4W				
<CONNECTOR>											
CG1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		R752	1-215-423-00	METAL	1.2K 1% 1/4W				
CG3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		R754	1-215-429-00	METAL	2.2K 1% 1/4W				
CG16	*1-564-508-11	PLUG, CONNECTOR 5P		<SPARK GAP>							

*A-1331-261-A CB BOARD, COMPLETE											

4-373-933-01	SHEET (TRANSISTOR), BN			<CAPACITOR>							
4-382-854-11	SCREW (M3X10), P, SW (+)			C761	1-162-115-00	CERAMIC	330PF	10%	2KV		
<COIL>				C762	1-123-948-00	ELECT	22MF	20%	250V		
D731	8-719-911-19	DIODE ISS119		C763	1-102-050-00	CERAMIC	0.01MF	500V			
D732	8-719-911-19	DIODE ISS119		C764	1-162-115-00	CERAMIC	330PF	10%	2KV		
D733	8-719-911-19	DIODE ISS119		C765	1-130-479-00	MYLAR	0.0047MF	5%	50V		
D734	8-719-911-19	DIODE ISS119		C766	1-101-006-00	CERAMIC	0.047MF	50V			
D735	8-719-911-19	DIODE ISS119		C767	1-101-006-00	CERAMIC	0.047MF	50V			
D736	8-719-911-19	DIODE ISS119		C769	1-124-120-11	ELECT	220MF	20%	16V		
D737	8-719-911-19	DIODE ISS119		C770	1-124-120-11	ELECT	220MF	20%	16V		
<NEON LAMP>											
L731	1-408-429-00	INDUCTOR	470UH	C771	1-102-114-00	CERAMIC	470PF	10%	50V		
L732	1-249-470-11	CARBON	0.47 5%	<CONNECTOR>							
L734	1-408-413-00	INDUCTOR	22UH	CB1	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P					
*****				CB3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					
<TRANSISTOR>				CB4	1-564-511-11	PLUG, CONNECTOR 8P					
Q731	8-729-119-78	TRANSISTOR 2SC2785-HFE		CB5	1-564-511-11	PLUG, CONNECTOR 8P					
Q732	8-729-119-78	TRANSISTOR 2SC2785-HFE		CB17	*1-564-508-11	PLUG, CONNECTOR 5P					
Q733	8-729-119-80	TRANSISTOR 2SC2688-LK		<SOCKET>							
Q734	8-729-255-12	TRANSISTOR 2SC2551-0		CRT61A1-251-026-11 SOCKET, PICTURE TUBE							
Q735	8-729-200-17	TRANSISTOR 2SA1091-0									

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CB D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>							
D761	8-719-911-19	DIODE ISS119		*A-1341-726-A	D BOARD, COMPLETE	*****	
D762	8-719-911-19	DIODE ISS119		4-382-854-11	SCREW (M3X10), P, SW (+)		
D763	8-719-911-19	DIODE ISS119					
D764	8-719-911-19	DIODE ISS119					
D765	8-719-911-19	DIODE ISS119					
<COIL>							
L761	1-408-429-00	INDUCTOR	470UH	C901	1-126-320-11	ELECT	10MF 20% 16V
L762	1-249-470-11	CARBON	0.47 5%	C902	1-124-477-11	ELECT	47MF 20% 16V
L764	1-408-413-00	INDUCTOR	22UH	C903	1-130-471-00	MYLAR	0.001MF 5% 50V
				C904	1-130-471-00	MYLAR	0.001MF 5% 50V
				C905	1-124-477-11	ELECT	47MF 20% 16V
<NEON LAMP>							
NL761	1-519-108-99	LAMP, NEON		C906	1-126-233-11	ELECT	22MF 20% 50V
NL762	1-519-108-99	LAMP, NEON		C907	1-126-101-11	ELECT	100MF 20% 16V
				C908	1-124-907-11	ELECT	10MF 20% 50V
				C910	1-130-483-00	MYLAR	0.01MF 5% 50V
				C911	1-131-341-00	TANTALUM	0.1MF 20% 16V
<TRANSISTOR>							
Q761	8-729-119-78	TRANSISTOR 2SC2785-HFE		C912	1-124-903-11	ELECT	1MF 20% 50V
Q762	8-729-119-78	TRANSISTOR 2SC2785-HFE		C913	1-126-233-11	ELECT	22MF 20% 50V
Q763	8-729-119-80	TRANSISTOR 2SC2688-LK		C914	1-126-803-11	ELECT	47MF 20% 16V
Q764	8-729-255-12	TRANSISTOR 2SC2551-0		C915	1-124-927-11	ELECT	4.7MF 20% 50V
Q765	8-729-200-17	TRANSISTOR 2SA1091-0		C916	1-102-074-00	CERAMIC	0.001MF 10% 50V
Q766	8-729-200-17	TRANSISTOR 2SA1091-0		C917	1-130-471-00	MYLAR	0.001MF 5% 50V
				C918	1-102-963-00	CERAMIC	33PF 5% 50V
				C919	1-102-963-00	CERAMIC	33PF 5% 50V
				C920	1-102-963-00	CERAMIC	33PF 5% 50V
				C921	1-102-963-00	CERAMIC	33PF 5% 50V
				C922	1-102-963-00	CERAMIC	33PF 5% 50V
				C923	1-102-963-00	CERAMIC	33PF 5% 50V
				C931	1-102-973-00	CERAMIC	100PF 5% 50V
				C932	1-124-903-11	ELECT	1MF 20% 50V
				C933	1-126-233-11	ELECT	22MF 20% 25V
<RESISTOR>							
R761	1-202-847-00	SOLID	560K 20%	C934	1-126-233-11	ELECT	22MF 20% 25V
R762	1-202-814-11	SOLID	33K 20%	C935	1-126-233-11	ELECT	22MF 20% 25V
R763	1-202-818-00	SOLID	1K 20%	C936	1-126-233-11	ELECT	22MF 20% 25V
R764	1-202-842-11	SOLID	220K 20%	C937	1-126-233-11	ELECT	22MF 20% 25V
R765	1-202-828-11	SOLID	6.8K 20%	C938	1-126-233-11	ELECT	22MF 20% 25V
R766	1-202-561-00	SOLID	330 20%	C939	1-126-233-11	ELECT	22MF 20% 25V
R767	△ 1-216-510-51	METAL OXIDE	8.2K 5%	C940	1-126-233-11	ELECT	22MF 20% 25V
R768	1-247-807-31	CARBON	100 5%	C941	1-102-123-00	CERAMIC	0.0033MF 10% 50V
R769	1-247-807-31	CARBON	100 5%	C942	1-102-123-00	CERAMIC	0.0033MF 10% 50V
R770	△ 1-215-927-91	METAL OXIDE	47K 5%	C943	1-102-123-00	CERAMIC	0.0033MF 10% 50V
R771	1-247-807-31	CARBON	100 5%	C1701	1-124-907-11	ELECT	10MF 20% 50V
R772	1-249-421-11	CARBON	2.2K 5%	C1702	1-124-907-11	ELECT	10MF 20% 50V
R773	1-249-413-11	CARBON	470 5%	C1703	1-124-907-11	ELECT	10MF 20% 50V
R774	1-249-401-11	CARBON	47 5%	C1704	1-124-667-11	ELECT	10MF 20% 50V
R776	1-247-807-31	CARBON	100 5%	C1705	1-102-963-00	CERAMIC	33PF 5% 50V
R777	1-249-403-11	CARBON	68 5%	C1706	1-102-963-00	CERAMIC	33PF 5% 50V
R778	1-249-412-11	CARBON	390 5%	C1707	1-102-963-00	CERAMIC	33PF 5% 50V
R779	1-249-415-11	CARBON	680 5%	C1708	1-102-963-00	CERAMIC	33PF 5% 50V
R780	1-247-807-31	CARBON	100 5%	C1709	1-102-963-00	CERAMIC	33PF 5% 50V
R781	1-249-409-11	CARBON	220 5%	C1710	1-102-963-00	CERAMIC	33PF 5% 50V
R782	1-215-423-00	METAL	1.2K 1%	C1711	1-126-233-11	ELECT	22MF 20% 50V
R783	1-215-433-00	METAL	3.3K 1%	C1712	1-126-233-11	ELECT	22MF 20% 25V
R784	1-215-429-00	METAL	2.2K 1%	C1713	1-131-353-00	TANTALUM	10MF 10% 25V
R785	1-215-418-00	METAL	750 1%	C1714	1-124-120-11	ELECT	220MF 20% 25V
				C1715	1-124-478-11	ELECT	100MF 20% 25V
<SPARK GAP>							
SG761	1-519-422-11	GAP, SPARK		C1716	1-126-803-11	ELECT	47MF 20% 25V
SG762	1-519-422-11	GAP, SPARK		C1717	1-126-803-11	ELECT	47MF 20% 25V
				C1718	1-131-353-00	TANTALUM	10MF 10% 25V
				C1719	1-126-233-11	ELECT	22MF 20% 25V
				C1720	1-130-491-00	MYLAR	0.047MF 5% 50V
				C1721	1-130-491-00	MYLAR	0.047MF 5% 50V
				C1722	1-130-491-00	MYLAR	0.047MF 5% 50V

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REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
C1725	1-102-963-00	CERAMIC	33PF	5%	50V	<CONNECTOR>			
C1726	1-124-122-11	ELECT	100MF	20%	35V	D-1	*1-564-510-11	PLUG, CONNECTOR 7P	
C1727	1-102-963-00	CERAMIC	33PF	5%	50V	D-2	*1-564-511-51	PLUG, CONNECTOR 8P	
C1728	1-102-963-00	CERAMIC	33PF	5%	50V	D-3	*1-564-512-11	PLUG, CONNECTOR 9P	
C1729	1-106-377-00	MYLAR	0.027MF		200V	D-4	*1-564-508-11	PLUG, CONNECTOR 5P	
C1730	1-102-963-00	CERAMIC	33PF	5%	50V	D-5	*1-564-511-51	PLUG, CONNECTOR 8P	
C1731	1-124-122-11	ELECT	100MF	20%	35V	D-6	1-691-169-11	PIN, CONNECTOR 12P	
C1732	1-106-377-00	MYLAR	0.027MF		200V	D-7	*1-564-507-11	PLUG, CONNECTOR 4P	
C1733	1-102-963-00	CERAMIC	33PF	5%	50V	D-8	*1-564-506-11	PLUG, CONNECTOR 3P	
C1734	1-102-963-00	CERAMIC	33PF	5%	50V	D-9	*1-564-507-11	PLUG, CONNECTOR 4P	
C1735	1-124-122-11	ELECT	100MF	20%	35V	D-14	*1-564-513-11	PLUG, CONNECTOR 10P	
C1736	1-106-377-00	MYLAR	0.027MF		200V	<FUSE>			
C1737	1-124-937-11	ELECT	10MF	20%	16V	F901	△1-576-107-22	FUSE 3.15A/250V	
C1738	1-124-122-11	ELECT	100MF	20%	35V	F902	△1-576-107-22	FUSE 3.15A/250V	
C1739	1-136-153-00	FILM	0.01MF	5%	50V		1-533-223-11	CLIP, FUSE; F901	
C1740	1-124-122-11	ELECT	100MF	20%	35V	F902	△1-576-107-22	FUSE 3.15A/250V	
C1741	1-124-122-11	ELECT	100MF	20%	35V		1-533-223-11	CLIP, FUSE; F902	
C1742	1-126-104-11	ELECT	470MF	20%	35V	<IC>			
C1744	1-124-120-11	ELECT	220MF	20%	25V	IC901	8-759-145-58	IC UPC4558C	
C1745	1-126-375-11	ELECT	100MF	20%	25V	IC902	8-752-033-68	IC CXA1268P	
C1755	1-106-220-00	MYLAR	0.1MF	10%	100V	IC903	8-759-701-56	IC NJM78M05FA	
C1756	1-106-220-00	MYLAR	0.1MF	10%	100V	IC904	8-759-701-65	IC NJM79M05FA	
C1757	1-106-220-00	MYLAR	0.1MF	10%	100V	IC905	8-759-701-89	IC NJM7915FA	
C1760	1-106-220-00	MYLAR	0.1MF	10%	100V	IC906	8-759-148-84	IC UPC2415HF	
C1763	1-124-907-11	ELECT	10MF	20%	50V	IC907	8-759-140-53	IC UPD4053BC	
C1764	1-124-477-11	ELECT	47MF	20%	16V	IC908	8-759-145-58	IC UPC4558C	
C1765	1-124-477-11	ELECT	47MF	20%	16V	IC910	8-759-054-40	IC PA0036	
C1766	1-126-101-11	ELECT	100MF	20%	16V	IC1701	8-759-602-19	IC M5220L	
C1769	1-124-907-11	ELECT	10MF	20%	50V	IC1702	8-759-602-19	IC M5220L	
C1770	1-130-495-00	MYLAR	0.1MF	5%	50V	IC1703	8-759-602-19	IC M5220L	
C1771	1-124-907-11	ELECT	10MF	20%	50V	IC1704	8-749-923-16	IC STK4278-L	
C1772	1-124-907-11	ELECT	10MF	20%	50V	IC1705	8-749-923-16	IC STK4278-L	
C1861	1-102-074-00	CERAMIC	0.001MF	10%	50V	IC1706	8-759-113-13	IC UPC1498H	
C1924	1-126-233-11	ELECT	22MF	20%	25V	IC1707	8-759-113-13	IC UPC1498H	
<DIODE>									
D901	8-719-911-19	DIODE	ISS119			IC1708	8-759-113-13	IC UPC1498H	
D902	8-719-911-19	DIODE	ISS119			IC1709	8-759-145-58	IC UPC4558C	
D1702	8-719-911-19	DIODE	ISS119			IC1710	8-759-145-58	IC UPC4558C	
D1704	8-719-900-95	DIODE	V09G			IC1711	8-759-145-58	IC UPC4558C	
D1705	8-719-900-95	DIODE	V09G			<COIL>			
D1706	8-719-900-95	DIODE	V09G			L901	1-459-313-00	COIL WITH CORE (HWC)	
D1707	8-719-911-19	DIODE	ISS119			L902	1-459-313-00	COIL WITH CORE (HWC)	
D1708	8-719-911-19	DIODE	ISS119			L903	1-459-313-00	COIL WITH CORE (HWC)	
D1709	8-719-911-19	DIODE	ISS119			L904	1-459-313-00	COIL WITH CORE (HWC)	
D1710	8-719-911-19	DIODE	ISS119			<TRANSISTOR>			
D1711	8-719-911-19	DIODE	ISS119			Q902	8-729-900-89	TRANSISTOR DTC144ES	
D1712	8-719-911-19	DIODE	ISS119			Q906	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1713	8-719-911-19	DIODE	ISS119			Q907	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1714	8-719-911-19	DIODE	ISS119			Q908	8-729-900-89	TRANSISTOR DTC144ES	
D1715	8-719-911-19	DIODE	ISS119			Q909	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1716	8-719-911-19	DIODE	ISS119			Q910	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1717	8-719-911-19	DIODE	ISS119			Q911	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1718	8-719-911-19	DIODE	ISS119			Q912	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1720	8-719-109-50	DIODE	RD2.0ESB1			<RESISTOR>			
D1721	8-719-109-50	DIODE	RD2.0ESB1			R901	1-215-463-00	METAL	
D1722	8-719-109-50	DIODE	RD2.0ESB1			56K	1%		
D1723	8-719-109-50	DIODE	RD2.0ESB1			1/4W			

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R902	1-215-463-00	METAL	56K 1% 1/4W	R967	1-215-421-00	METAL	1K 1% 1/4W
R903	1-215-449-00	METAL	15K 1% 1/4W	R968	1-215-437-00	METAL	4.7K 1% 1/4W
R904	1-215-455-00	METAL	27K 1% 1/4W	R969	1-249-421-11	CARBON	2.2K 5% 1/4W
R905	1-215-449-00	METAL	15K 1% 1/4W	R970 Δ 1-215-909-71	METAL OXIDE	47 5% 3W F	
R906	1-215-469-00	METAL	100K 1% 1/4W	R971	1-249-421-11	CARBON	2.2K 5% 1/4W
R907	1-215-469-00	METAL	100K 1% 1/4W	R972	1-249-431-11	CARBON	15K 5% 1/4W
R908	1-215-469-00	METAL	100K 1% 1/4W	R973	1-249-431-11	CARBON	15K 5% 1/4W
R909	1-215-473-00	METAL	150K 1% 1/4W	R974	1-215-399-00	METAL	120 1% 1/4W
R910	1-215-437-00	METAL	4.7K 1% 1/4W	R975	1-215-399-00	METAL	120 1% 1/4W
R911	1-215-453-00	METAL	22K 1% 1/4W	R976	1-215-399-00	METAL	120 1% 1/4W
R912	1-215-453-00	METAL	22K 1% 1/4W	R977	1-215-399-00	METAL	120 1% 1/4W
R913	1-215-437-00	METAL	4.7K 1% 1/4W	R978	1-215-399-00	METAL	120 1% 1/4W
R914	1-215-453-00	METAL	22K 1% 1/4W	R979	1-215-399-00	METAL	120 1% 1/4W
R915	1-215-421-00	METAL	1K 1% 1/4W	R980	1-215-399-00	METAL	120 1% 1/4W
R916	1-215-457-00	METAL	33K 1% 1/4W	R981	1-215-399-00	METAL	120 1% 1/4W
R917	1-215-453-00	METAL	22K 1% 1/4W	R982	1-249-431-11	CARBON	15K 5% 1/4W
R919	1-215-399-00	METAL	120 1% 1/4W	R983	1-249-431-11	CARBON	15K 5% 1/4W
R920	1-215-399-00	METAL	120 1% 1/4W	R984	1-214-804-11	METAL	3.3 1% 1/2W
R921	1-215-399-00	METAL	120 1% 1/4W	R985	1-214-804-11	METAL	3.3 1% 1/2W
R922	1-215-399-00	METAL	120 1% 1/4W	R986	1-214-804-11	METAL	3.3 1% 1/2W
R923	1-215-441-00	METAL	6.8K 1% 1/4W	R987	1-215-421-00	METAL	1K 1% 1/4W
R924	1-215-441-00	METAL	6.8K 1% 1/4W	R988	1-215-421-00	METAL	1K 1% 1/4W
R925	1-215-441-00	METAL	6.8K 1% 1/4W	R989	1-215-421-00	METAL	1K 1% 1/4W
R926	1-215-463-00	METAL	56K 1% 1/4W	R990	1-215-421-00	METAL	1K 1% 1/4W
R927	1-215-463-00	METAL	56K 1% 1/4W	R991	1-215-421-00	METAL	1K 1% 1/4W
R928	1-215-461-00	METAL	47K 1% 1/4W	R992	1-215-421-00	METAL	1K 1% 1/4W
R929	1-215-433-00	METAL	3.3K 1% 1/4W	R993	1-249-429-11	CARBON	10K 5% 1/4W
R930	1-215-433-00	METAL	3.3K 1% 1/4W	R994	1-249-429-11	CARBON	10K 5% 1/4W
R931	1-215-433-00	METAL	3.3K 1% 1/4W	R995	1-215-457-00	METAL	33K 1% 1/4W
R932	1-215-433-00	METAL	3.3K 1% 1/4W	R997	1-215-467-00	METAL	82K 1% 1/4W
R933	1-215-433-00	METAL	3.3K 1% 1/4W	R998	1-215-417-00	METAL	680 1% 1/4W
R934	1-215-433-00	METAL	3.3K 1% 1/4W	R999	1-215-455-00	METAL	27K 1% 1/4W
R935	1-215-439-00	METAL	5.6K 1% 1/4W	R1701	1-249-411-11	CARBON	330 5% 1/4W
R936	1-215-439-00	METAL	5.6K 1% 1/4W	R1702	1-249-427-11	CARBON	6.8K 5% 1/4W
R937	1-215-439-00	METAL	5.6K 1% 1/4W	R1703	1-249-427-11	CARBON	6.8K 5% 1/4W
R938	1-215-417-00	METAL	680 1% 1/4W	R1704	1-249-411-11	CARBON	330 5% 1/4W
R939	1-215-433-00	METAL	3.3K 1% 1/4W	R1705	1-249-411-11	CARBON	330 5% 1/4W
R940	1-215-429-00	METAL	2.2K 1% 1/4W	R1706	1-249-427-11	CARBON	6.8K 5% 1/4W
R941	1-215-441-00	METAL	6.8K 1% 1/4W	R1707	1-249-411-11	CARBON	330 5% 1/4W
R942	1-215-451-00	METAL	18K 1% 1/4W	R1708	1-249-427-11	CARBON	6.8K 5% 1/4W
R943	1-215-441-00	METAL	6.8K 1% 1/4W	R1709	1-249-427-11	CARBON	6.8K 5% 1/4W
R944	1-215-439-00	METAL	5.6K 1% 1/4W	R1710	1-249-411-11	CARBON	330 5% 1/4W
R945	1-215-445-00	METAL	10K 1% 1/4W	R1711	1-249-411-11	CARBON	330 5% 1/4W
R946	1-215-445-00	METAL	10K 1% 1/4W	R1712	1-249-427-11	CARBON	6.8K 5% 1/4W
R947	1-215-439-00	METAL	5.6K 1% 1/4W	R1713 Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	
R948	1-215-447-00	METAL	12K 1% 1/4W	R1714	1-249-411-11	CARBON	330 5% 1/4W
R949	1-215-439-00	METAL	5.6K 1% 1/4W	R1715	1-249-411-11	CARBON	330 5% 1/4W
R950	1-215-429-00	METAL	2.2K 1% 1/4W	R1716 Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	
R951	1-215-429-00	METAL	2.2K 1% 1/4W	R1717	1-249-411-11	CARBON	330 5% 1/4W
R952	1-215-429-00	METAL	2.2K 1% 1/4W	R1718	1-249-417-11	CARBON	1K 5% 1/4W
R953	1-215-439-00	METAL	5.6K 1% 1/4W	R1719	1-214-792-00	METAL	1 1% 1/2W
R954	1-215-439-00	METAL	5.6K 1% 1/4W	R1720	1-249-411-11	CARBON	330 5% 1/4W
R955	1-215-435-00	METAL	3.9K 1% 1/4W	R1721	1-249-417-11	CARBON	1K 5% 1/4W
R956	1-215-437-00	METAL	4.7K 1% 1/4W	R1722	1-249-411-11	CARBON	330 5% 1/4W
R957	1-215-441-00	METAL	6.8K 1% 1/4W	R1723	1-249-417-11	CARBON	1K 5% 1/4W
R958	1-215-437-00	METAL	4.7K 1% 1/4W	R1724 Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	
R959	1-215-439-00	METAL	5.6K 1% 1/4W	R1725 Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	
R960	1-215-439-00	METAL	5.6K 1% 1/4W	R1726 Δ 1-215-886-71	METAL OXIDE	100 5% 2W F	
R961	1-215-439-00	METAL	5.6K 1% 1/4W	R1727	1-214-792-00	METAL	1 1% 1/2W
R962	1-215-441-00	METAL	6.8K 1% 1/4W	R1728	1-214-792-00	METAL	1 1% 1/2W
R963	1-215-441-00	METAL	6.8K 1% 1/4W	R1729	1-214-792-00	METAL	1 1% 1/2W
R964	1-215-441-00	METAL	6.8K 1% 1/4W	R1730	1-247-807-31	CARBON	100 5% 1/4W
R965 Δ 1-215-909-71	METAL OXIDE	47 5% 3W F	R1731	1-249-417-11	CARBON	1K 5% 1/4W	
R966	1-215-469-00	METAL	100K 1% 1/4W				

D

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1732	1-247-807-31	CARBON	100 5% 1/4W	R1796	1-247-807-31	CARBON	100 5% 1/4W
R1733	1-247-807-31	CARBON	100 5% 1/4W	R1797	1-249-429-11	CARBON	10K 5% 1/4W
R1734	1-247-807-31	CARBON	100 5% 1/4W	R1798	1-249-423-11	CARBON	3.3K 5% 1/4W
R1735	1-247-807-31	CARBON	100 5% 1/4W	R1800	1-247-807-31	CARBON	100 5% 1/4W
R1736	1-249-423-11	CARBON	3.3K 5% 1/4W	R1801	1-215-439-00	METAL	5.6K 1% 1/4W
R1737	1-249-423-11	CARBON	3.3K 5% 1/4W	R1802	1-215-439-00	METAL	5.6K 1% 1/4W
R1738	1-249-423-11	CARBON	3.3K 5% 1/4W	R1803	1-215-439-00	METAL	5.6K 1% 1/4W
R1739	1-249-423-11	CARBON	3.3K 5% 1/4W	R1805	1-215-439-00	METAL	5.6K 1% 1/4W
R1740	1-249-417-11	CARBON	1K 5% 1/4W	R1806	1-247-807-31	CARBON	100 5% 1/4W
R1741	1-249-423-11	CARBON	3.3K 5% 1/4W	R1807	1-247-807-31	CARBON	100 5% 1/4W
R1742	1-249-423-11	CARBON	3.3K 5% 1/4W	R1808	1-214-792-00	METAL	1 1% 1/2W
R1743	1-249-417-11	CARBON	1K 5% 1/4W	R1809	1-214-792-00	METAL	1 1% 1/2W
R1744	1-249-411-11	CARBON	330 5% 1/4W	R1810	1-214-792-00	METAL	1 1% 1/2W
R1745	1-247-807-31	CARBON	100 5% 1/4W	R1811	1-214-792-00	METAL	1 1% 1/2W
R1746	1-214-792-00	METAL	1 1% 1/2W	R1812	1-214-792-00	METAL	1 1% 1/2W
R1747 Δ	1-215-886-71	METAL OXIDE	100 5% 2W F	R1813	1-214-792-00	METAL	1 1% 1/2W
R1748	1-215-421-00	METAL	1K 1% 1/4W	R1814	1-249-431-11	CARBON	15K 5% 1/4W
R1749	1-215-421-00	METAL	1K 1% 1/4W	R1815	1-247-885-00	CARBON	180K 5% 1/4W
R1750	1-215-421-00	METAL	1K 1% 1/4W	R1816	1-249-431-11	CARBON	15K 5% 1/4W
R1751	1-215-421-00	METAL	1K 1% 1/4W	R1817	1-247-885-00	CARBON	180K 5% 1/4W
R1752	1-215-421-00	METAL	1K 1% 1/4W	R1818	1-247-807-31	CARBON	100 5% 1/4W
R1753	1-215-421-00	METAL	1K 1% 1/4W	R1819	1-215-437-00	METAL	4.7K 1% 1/4W
R1754	1-214-792-00	METAL	1 1% 1/2W	R1820	1-215-437-00	METAL	4.7K 1% 1/4W
R1755	1-215-469-00	METAL	100K 1% 1/4W	R1821	1-215-437-00	METAL	4.7K 1% 1/4W
R1756	1-215-443-00	METAL	8.2K 1% 1/4W	R1822	1-215-445-00	METAL	10K 1% 1/4W
R1757	1-215-437-00	METAL	4.7K 1% 1/4W	R1823	1-215-445-00	METAL	10K 1% 1/4W
R1758	1-215-437-00	METAL	4.7K 1% 1/4W	R1824	1-215-433-00	METAL	3.3K 1% 1/4W
R1759	1-247-807-31	CARBON	100 5% 1/4W	R1825	1-215-433-00	METAL	3.3K 1% 1/4W
R1760	1-249-427-11	CARBON	6.8K 5% 1/4W	R1826	1-215-433-00	METAL	3.3K 1% 1/4W
R1761	1-249-419-11	CARBON	1.5K 5% 1/4W	R1827	1-215-445-00	METAL	10K 1% 1/4W
R1762	1-215-445-00	METAL	10K 1% 1/4W	R1828	1-215-445-00	METAL	10K 1% 1/4W
R1763	1-249-427-11	CARBON	6.8K 5% 1/4W	R1829	1-249-434-11	CARBON	27K 5% 1/4W
R1764	1-249-419-11	CARBON	1.5K 5% 1/4W	R1830	1-249-434-11	CARBON	27K 5% 1/4W
R1765	1-249-419-11	CARBON	1.5K 5% 1/4W	R1831	1-247-807-31	CARBON	100 5% 1/4W
R1766	1-249-427-11	CARBON	6.8K 5% 1/4W	R1832	1-215-471-00	METAL	120K 1% 1/4W
R1767	1-249-427-11	CARBON	6.8K 5% 1/4W	R1833	1-215-471-00	METAL	120K 1% 1/4W
R1768	1-249-439-11	CARBON	68K 5% 1/4W	R1834	1-215-471-00	METAL	120K 1% 1/4W
R1769	1-215-445-00	METAL	10K 1% 1/4W	R1835	1-215-437-00	METAL	4.7K 1% 1/4W
R1770	1-247-807-31	CARBON	100 5% 1/4W	R1836	1-215-437-00	METAL	4.7K 1% 1/4W
R1771	1-247-807-31	CARBON	100 5% 1/4W	R1837	1-215-421-00	METAL	1K 1% 1/4W
R1772	1-215-429-00	METAL	2.2K 1% 1/4W	R1838	1-249-431-11	CARBON	15K 5% 1/4W
R1773	1-215-429-00	METAL	2.2K 1% 1/4W	R1839	1-249-431-11	CARBON	15K 5% 1/4W
R1774	1-215-421-00	METAL	1K 1% 1/4W	R1858	1-215-445-00	METAL	10K 1% 1/4W
R1775	1-249-429-11	CARBON	10K 5% 1/4W	R1859	1-215-445-00	METAL	10K 1% 1/4W
R1776	1-215-421-00	METAL	1K 1% 1/4W	R1860	1-215-397-00	METAL	100 1% 1/4W
R1777	1-249-423-11	CARBON	3.3K 5% 1/4W	R1861	1-215-453-00	METAL	22K 1% 1/4W
R1778	1-215-421-00	METAL	1K 1% 1/4W	R1862	1-215-453-00	METAL	22K 1% 1/4W
R1779 Δ	1-215-898-71	METAL OXIDE	10K 5% 2W F	R1863	1-215-397-00	METAL	100 1% 1/4W
R1780	1-214-804-11	METAL	3.3 1% 1/2W	R1864	1-215-437-00	METAL	4.7K 1% 1/4W
R1781	1-214-804-11	METAL	3.3 1% 1/2W	R1865	1-215-453-00	METAL	22K 1% 1/4W
R1782 Δ	1-215-898-71	METAL OXIDE	10K 5% 2W F	R1866	1-215-453-00	METAL	22K 1% 1/4W
R1783	1-214-804-11	METAL	3.3 1% 1/2W	R1867	1-215-437-00	METAL	4.7K 1% 1/4W
R1784	1-214-804-11	METAL	3.3 1% 1/2W	R1868	1-215-449-00	METAL	15K 1% 1/4W
R1785 Δ	1-215-898-71	METAL OXIDE	10K 5% 2W F	R1869	1-215-445-00	METAL	10K 1% 1/4W
R1786	1-214-804-11	METAL	3.3 1% 1/2W	R1870	1-215-445-00	METAL	10K 1% 1/4W
R1787	1-214-804-11	METAL	3.3 1% 1/2W	R1871	1-215-445-00	METAL	10K 1% 1/4W
R1788	1-249-433-11	CARBON	22K 5% 1/4W	R1872	1-215-437-00	METAL	4.7K 1% 1/4W
R1789	1-249-441-11	CARBON	100K 5% 1/4W	R1873	1-215-437-00	METAL	4.7K 1% 1/4W
R1790	1-249-433-11	CARBON	22K 5% 1/4W	R1874	1-215-437-00	METAL	4.7K 1% 1/4W
R1791	1-249-429-11	CARBON	10K 5% 1/4W	R1875	1-215-437-00	METAL	4.7K 1% 1/4W
R1792	1-215-445-00	METAL	10K 1% 1/4W	R1876	1-215-437-00	METAL	4.7K 1% 1/4W
R1793	1-247-807-31	CARBON	100 5% 1/4W	R1877	1-215-437-00	METAL	4.7K 1% 1/4W
R1794	1-215-429-00	METAL	2.2K 1% 1/4W	R1878	1-215-475-00	METAL	180K 1% 1/4W
R1795	1-249-433-11	CARBON	22K 5% 1/4W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1879	1-215-475-00	METAL	180K 1% 1/4W	RV914	1-241-630-11	RES, ADJ, CARBON 10K	
R1880	1-215-475-00	METAL	180K 1% 1/4W	RV915	1-241-630-11	RES, ADJ, CARBON 10K	
R1881	1-215-461-00	METAL	47K 1% 1/4W	RV916	1-241-765-11	RES, ADJ, CARBON 22K	
R1882	1-215-445-00	METAL	10K 1% 1/4W	RV917	1-241-765-11	RES, ADJ, CARBON 22K	
R1883	1-215-453-00	METAL	22K 1% 1/4W	RV918	1-241-765-11	RES, ADJ, CARBON 22K	
R1884	1-215-397-00	METAL	100 1% 1/4W	RV919	1-241-765-11	RES, ADJ, CARBON 22K	
R1885	1-215-445-00	METAL	10K 1% 1/4W	RV920	1-241-765-11	RES, ADJ, CARBON 22K	
R1886	1-215-455-00	METAL	27K 1% 1/4W	RV921	1-241-765-11	RES, ADJ, CARBON 22K	
R1887	1-215-397-00	METAL	100 1% 1/4W	RV922	1-241-765-11	RES, ADJ, CARBON 22K	
R1888	1-215-461-00	METAL	47K 1% 1/4W	RV923	1-241-765-11	RES, ADJ, CARBON 22K	
R1889	1-215-457-00	METAL	33K 1% 1/4W	RV924	1-241-765-11	RES, ADJ, CARBON 22K	
R1890	1-215-449-00	METAL	15K 1% 1/4W	RV925	1-241-765-11	RES, ADJ, CARBON 22K	
R1891	1-215-443-00	METAL	8.2K 1% 1/4W	RV926	1-241-765-11	RES, ADJ, CARBON 22K	
R1892	1-215-445-00	METAL	10K 1% 1/4W	RV927	1-241-765-11	RES, ADJ, CARBON 22K	
R1894	1-215-429-00	METAL	2.2K 1% 1/4W	RV928	1-241-630-11	RES, ADJ, CARBON 10K	
R1895	1-215-445-00	METAL	10K 1% 1/4W	RV929	1-241-765-11	RES, ADJ, CARBON 22K	
R1896	1-215-445-00	METAL	10K 1% 1/4W	RV930	1-241-630-11	RES, ADJ, CARBON 10K	
R1897	1-215-449-00	METAL	15K 1% 1/4W	RV931	1-241-765-11	RES, ADJ, CARBON 22K	
R1898	1-215-445-00	METAL	10K 1% 1/4W	RV932	1-241-765-11	RES, ADJ, CARBON 22K	
R1899	1-215-421-00	METAL	1K 1% 1/4W	RV933	1-241-765-11	RES, ADJ, CARBON 22K	
R1900	1-215-429-00	METAL	2.2K 1% 1/4W	RV934	1-241-765-11	RES, ADJ, CARBON 22K	
R1901	1-215-449-00	METAL	15K 1% 1/4W	RV935	1-241-765-11	RES, ADJ, CARBON 22K	
R1902	1-215-445-00	METAL	10K 1% 1/4W	RV936	1-241-765-11	RES, ADJ, CARBON 22K	
R1903	1-215-445-00	METAL	10K 1% 1/4W	RV937	1-241-630-11	RES, ADJ, CARBON 10K	
R1904	1-215-445-00	METAL	10K 1% 1/4W	RV938	1-241-630-11	RES, ADJ, CARBON 10K	
R1905	1-215-445-00	METAL	10K 1% 1/4W	RV939	1-241-630-11	RES, ADJ, CARBON 10K	
R1906	1-215-429-00	METAL	2.2K 1% 1/4W	RV940	1-241-765-11	RES, ADJ, CARBON 22K	
R1907	1-215-445-00	METAL	10K 1% 1/4W	RV941	1-241-765-11	RES, ADJ, CARBON 22K	
R1908	1-215-445-00	METAL	10K 1% 1/4W	RV942	1-241-765-11	RES, ADJ, CARBON 22K	
R1909	1-215-445-00	METAL	10K 1% 1/4W	RV943	1-241-765-11	RES, ADJ, CARBON 22K	
R1910	1-215-445-00	METAL	10K 1% 1/4W	RV944	1-241-765-11	RES, ADJ, CARBON 22K	
R1911	1-215-453-00	METAL	22K 1% 1/4W	RV945	1-241-765-11	RES, ADJ, CARBON 22K	
R1916	1-215-423-00	METAL	1.2K 1% 1/4W	RV946	1-241-765-11	RES, ADJ, CARBON 22K	
R1920	1-215-453-00	METAL	22K 1% 1/4W	RV947	1-241-765-11	RES, ADJ, CARBON 22K	
R1921	1-215-445-00	METAL	10K 1% 1/4W	RV948	1-241-765-11	RES, ADJ, CARBON 22K	
R1922	1-215-445-00	METAL	10K 1% 1/4W	RV949	1-241-765-11	RES, ADJ, CARBON 22K	
R1924	1-215-429-00	METAL	2.2K 1% 1/4W	RV950	1-241-765-11	RES, ADJ, CARBON 22K	
R1925	1-215-429-00	METAL	2.2K 1% 1/4W	RV951	1-241-765-11	RES, ADJ, CARBON 22K	
R1926	1-215-429-00	METAL	2.2K 1% 1/4W	RV952	1-241-765-11	RES, ADJ, CARBON 22K	
R1927	1-215-445-00	METAL	10K 1% 1/4W	RV953	1-241-765-11	RES, ADJ, CARBON 22K	
R1928	1-215-421-00	METAL	1K 1% 1/4W	RV954	1-241-765-11	RES, ADJ, CARBON 22K	
R1929	1-215-445-00	METAL	10K 1% 1/4W	RV955	1-241-765-11	RES, ADJ, CARBON 22K	
R1930	1-215-397-00	METAL	100 1% 1/4W	RV956	1-241-765-11	RES, ADJ, CARBON 22K	
R1931	1-215-397-00	METAL	100 1% 1/4W	RV958	1-241-765-11	RES, ADJ, CARBON 22K	
R1932	1-215-453-00	METAL	22K 1% 1/4W	RV959	1-241-765-11	RES, ADJ, CARBON 22K	
R1933	1-215-453-00	METAL	22K 1% 1/4W	RV961	1-241-765-11	RES, ADJ, CARBON 22K	
R1934	1-215-429-00	METAL	2.2K 1% 1/4W	RV962	1-241-765-11	RES, ADJ, CARBON 22K	
R1937	1-215-445-00	METAL	10K 1% 1/4W	RV963	1-241-765-11	RES, ADJ, CARBON 22K	
<VARIABLE RESISTOR>							
RV901	1-241-765-11	RES, ADJ, CARBON 22K		RV964	1-241-765-11	RES, ADJ, CARBON 22K	
RV902	1-241-765-11	RES, ADJ, CARBON 22K		RV965	1-241-765-11	RES, ADJ, CARBON 22K	
RV903	1-241-765-11	RES, ADJ, CARBON 22K		RV966	1-241-765-11	RES, ADJ, CARBON 22K	
RV904	1-241-765-11	RES, ADJ, CARBON 22K		RV967	1-241-765-11	RES, ADJ, CARBON 22K	
RV905	1-241-765-11	RES, ADJ, CARBON 22K		RV968	1-241-765-11	RES, ADJ, CARBON 22K	
RV906	1-241-765-11	RES, ADJ, CARBON 22K		RV969	1-241-765-11	RES, ADJ, CARBON 22K	
RV907	1-241-765-11	RES, ADJ, CARBON 22K		RV970	1-241-765-11	RES, ADJ, CARBON 22K	
RV908	1-241-765-11	RES, ADJ, CARBON 22K		RV971	1-241-765-11	RES, ADJ, CARBON 22K	
RV909	1-241-765-11	RES, ADJ, CARBON 22K		RV972	1-241-765-11	RES, ADJ, CARBON 22K	
RV910	1-241-765-11	RES, ADJ, CARBON 22K		RV973	1-241-765-11	RES, ADJ, CARBON 22K	
RV911	1-241-761-11	RES, ADJ, CARBON 1K		RV974	1-241-765-11	RES, ADJ, CARBON 22K	
RV912	1-241-765-11	RES, ADJ, CARBON 22K		RV975	1-241-765-11	RES, ADJ, CARBON 22K	
RV913	1-241-769-11	RES, ADJ, CARBON 470K		RV976	1-241-765-11	RES, ADJ, CARBON 22K	
				RV977	1-241-765-11	RES, ADJ, CARBON 22K	
				RV978	1-241-765-11	RES, ADJ, CARBON 22K	
				RV979	1-241-765-11	RES, ADJ, CARBON 22K	

D DS V

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
RV980	1-238-019-11	RES, ADJ, CARBON 47K		C1534	1-101-003-00	CERAMIC 0.0047MF	50V	
RV981	1-241-765-11	RES, ADJ, CARBON 22K		C1551	1-124-122-11	ELECT 100MF	20% 50V	
RV982	1-241-765-11	RES, ADJ, CARBON 22K		C1552	1-124-122-11	ELECT 100MF	20% 50V	
*****				C1553	1-102-824-00	CERAMIC 470PF	5% 50V	
*****				C1554	1-102-824-00	CERAMIC 470PF	5% 50V	
*1-650-883-11	DS BOARD		*****	C1555	1-130-483-00	MYLAR 0.01MF	5% 50V	
<CAPACITOR>				C1556	1-130-483-00	MYLAR 0.01MF	5% 50V	
C1841	1-126-233-11	ELECT 22MF	20%	25V	C1557	1-102-824-00	CERAMIC 470PF	5% 50V
C1842	1-126-233-11	ELECT 22MF	20%	25V	C1558	1-102-824-00	CERAMIC 470PF	5% 50V
<DIODE>				C1559	1-102-824-00	CERAMIC 470PF	5% 50V	
D1841	8-719-911-19	DIODE 1SS119		C1560	1-102-824-00	CERAMIC 470PF	5% 50V	
D1842	8-719-911-19	DIODE 1SS119		C1561	1-130-483-00	MYLAR 0.01MF	5% 50V	
D1843	8-719-911-19	DIODE 1SS119		C1562	1-130-483-00	MYLAR 0.01MF	5% 50V	
D1844	8-719-911-19	DIODE 1SS119		C1563	1-130-483-00	MYLAR 0.01MF	5% 50V	
<CONNECTOR>				<DIODE>				
DS-6	1-691-182-11	CONNECTOR (BOARD TO BOARD) 12P		D1501	8-719-911-19	DIODE 1SS119		
<IC>				D1502	8-719-911-19	DIODE 1SS119		
IC1801	8-759-183-37	IC CA0007AD		D1503	8-719-911-19	DIODE 1SS119		
<RESISTOR>				D1504	8-719-911-19	DIODE 1SS119		
R1841	1-215-441-00	METAL 6.8K	1%	1/4W	D1505	8-719-911-19	DIODE 1SS119	
R1842	1-215-455-00	METAL 27K	1%	1/4W	D1506	8-719-911-19	DIODE 1SS119	
R1844	1-215-445-00	METAL 10K	1%	1/4W	D1507	8-719-110-88	DIODE RD39ESB2	
R1850	1-215-429-00	METAL 2.2K	1%	1/4W	D1508	8-719-110-88	DIODE RD39ESB2	
R1851	1-215-421-00	METAL 1K	1%	1/4W	D1509	8-719-911-19	DIODE 1SS119	
*****				<IC>				
*A-1342-214-A	V BOARD, COMPLETE		*****	IC1551	8-759-145-58	IC UPC4558C		
*****				IC1552	8-759-912-77	IC LM324N		
<CAPACITOR>				<COIL>				
C1501	1-102-129-00	CERAMIC 0.01MF	10%	50V	L1502	1-408-418-00	INDUCTOR 56UH	
C1502	1-126-101-11	ELECT 100MF	20%	16V	<TRANSISTOR>			
C1504	1-106-383-00	MYLAR 0.047MF		Q1501	8-729-017-05	TRANSISTOR 2SA1837		
C1505	1-124-907-11	ELECT 10MF	20%	50V	Q1502	8-729-017-06	TRANSISTOR 2SC4793	
C1506	1-106-359-00	MYLAR 0.0047MF	10%	200V	Q1503	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1507	1-106-367-00	MYLAR 0.01MF	10%	100V	Q1504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1508	1-162-318-11	CERAMIC 0.001MF	10%	500V	Q1505	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1509	1-106-367-00	MYLAR 0.01MF	10%	100V	Q1506	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1510	1-126-355-11	ELECT 33MF	20%	160V	Q1507	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1511	1-124-668-11	ELECT 2.2MF	20%	200V	Q1508	8-729-142-86	TRANSISTOR 2SC3733	
C1512	1-106-391-12	MYLAR 0.1MF	10%	200V	Q1551	8-729-231-60	TRANSISTOR 2SD1406-YGR	
C1513	1-162-318-11	CERAMIC 0.001MF	10%	500V	Q1552	8-729-141-83	TRANSISTOR 2SB1094-LK	
C1514	1-102-951-00	CERAMIC 15PF	5%	50V	Q1553	8-729-231-60	TRANSISTOR 2SD1406-YGR	
C1515	1-102-959-00	CERAMIC 22PF	5%	50V	Q1554	8-729-141-83	TRANSISTOR 2SB1094-LK	
C1516	1-102-963-00	CERAMIC 33PF	5%	50V	Q1555	8-729-231-60	TRANSISTOR 2SD1406-YGR	
C1517	1-124-667-11	ELECT 10MF	20%	50V	Q1556	8-729-141-83	TRANSISTOR 2SB1094-LK	
C1518	1-102-074-00	CERAMIC 0.001MF	10%	50V	<RESISTOR>			
C1519	1-106-359-00	MYLAR 0.0047MF	10%	200V	R1501	1-249-451-11	CARBON 2.2	5% 1/4W F
C1520	1-126-803-11	ELECT 47MF	20%	16V	R1502	1-249-414-11	CARBON 560	5% 1/4W F
C1521	1-124-907-11	ELECT 10MF	20%	50V	R1503	1-247-734-11	CARBON 39	5% 1/2W F
				R1504	1-249-384-11	CARBON 1.8	5% 1/4W F	
				R1505	1-247-807-31	CARBON 100	5% 1/4W	
				R1506	1-249-419-11	CARBON 1.5K	5% 1/4W	
				R1507	1-249-412-11	CARBON 390	5% 1/4W	
				R1508	1-249-436-11	CARBON 39K	5% 1/4W	
				R1509	1-249-421-11	CARBON 2.2K	5% 1/4W	
				R1510	1-249-436-11	CARBON 39K	5% 1/4W	

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V **H1** **H2**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1511	1-249-418-11	CARBON	1.2K 5% 1/4W			*****	
R1512	1-249-441-11	CARBON	100K 5% 1/4W			*****	
R1513	1-249-432-11	CARBON	18K 5% 1/4W			*****	
R1514	1-247-807-31	CARBON	100 5% 1/4W			*****	
R1515	1-249-435-11	CARBON	33K 5% 1/4W			*****	
R1517	1-247-713-11	CARBON	1K 5% 1/4W F			4-033-777-01 HOLDER, LED	
R1519 A	1-215-916-91	METAL OXIDE	680 5% 3W F			*4-374-987-01 GUIDE, LIGHT (KP-46XBR35/53XBR35(U/C))	
R1520	1-249-432-11	CARBON	18K 5% 1/4W			4-381-686-01 BRACKET (B), LIGHT GUIDE	
R1521	1-249-414-11	CARBON	560 5% 1/4W F			*4-389-517-01 GUIDE (R), LIGHT (KP-61XBR38)	
R1522	1-249-384-11	CARBON	1.8 5% 1/4W F				
R1523	1-249-400-11	CARBON	39 5% 1/4W F			<CAPACITOR>	
R1524	1-249-418-11	CARBON	1.2K 5% 1/4W		C1601	1-124-907-11 ELECT	10MF 20% 50V
R1525	1-249-421-11	CARBON	2.2K 5% 1/4W		C1602	1-124-907-11 ELECT	10MF 20% 50V
R1526	1-249-426-11	CARBON	5.6K 5% 1/4W		C1603	1-124-907-11 ELECT	10MF 20% 50V
R1527	1-249-414-11	CARBON	560 5% 1/4W		C1604	1-124-261-00 ELECT	10MF 20% 50V
R1528	1-249-429-11	CARBON	10K 5% 1/4W				
R1529	1-249-414-11	CARBON	560 5% 1/4W			<DIODE>	
R1530 A	1-216-451-91	METAL OXIDE	120 5% 2W F		D1601	8-719-812-41 DIODE TLR124	
R1531	1-249-429-11	CARBON	10K 5% 1/4W		D1602	8-719-812-41 DIODE TLR124	
R1532	1-249-421-11	CARBON	2.2K 5% 1/4W				
R1533	1-247-903-00	CARBON	1M 5% 1/4W			<CONNECTOR>	
R1534	1-249-423-11	CARBON	3.3K 5% 1/4W			H11 *1-564-526-11 PLUG, CONNECTOR 11P	
R1535	1-249-392-11	CARBON	8.2 5% 1/4W F			H15 *1-564-517-11 PLUG, CONNECTOR 2P	
R1540	1-215-445-00	METAL	10K 1% 1/4W				
R1541	1-215-445-00	METAL	10K 1% 1/4W			<IC>	
R1542	1-215-445-00	METAL	10K 1% 1/4W		IC1601	8-741-148-33 IC SBX1483-59	
R1551	1-215-445-00	METAL	10K 1% 1/4W				
R1552	1-215-423-00	METAL	1.2K 1% 1/4W			<RESISTOR>	
R1553	1-249-417-11	CARBON	1K 5% 1/4W		R1601	1-249-430-11 CARBON 12K 5% 1/4W	
R1554	1-215-445-00	METAL	10K 1% 1/4W		R1602	1-249-425-11 CARBON 4.7K 5% 1/4W	
R1555	1-215-375-00	METAL	12 1% 1/4W		R1603	1-249-421-11 CARBON 2.2K 5% 1/4W	
R1556	1-215-375-00	METAL	12 1% 1/4W		R1604	1-249-419-11 CARBON 1.5K 5% 1/4W	
R1557	1-215-375-00	METAL	12 1% 1/4W		R1606	1-247-807-31 CARBON 100 5% 1/4W	
R1558	1-215-445-00	METAL	10K 1% 1/4W				
R1559	1-215-445-00	METAL	10K 1% 1/4W		R1607	1-247-807-31 CARBON 100 5% 1/4W	
R1560	1-215-445-00	METAL	10K 1% 1/4W		R1608	1-249-411-11 CARBON 330 5% 1/4W	
R1561	1-215-423-00	METAL	1.2K 1% 1/4W		R1609	1-249-411-11 CARBON 330 5% 1/4W	
R1562	1-215-423-00	METAL	1.2K 1% 1/4W				
R1563	1-215-445-00	METAL	10K 1% 1/4W			<SWITCH>	
R1564	1-249-417-11	CARBON	1K 5% 1/4W		S1601	1-571-731-11 SWITCH, TACTIL	
R1565	1-215-445-00	METAL	10K 1% 1/4W		S1602	1-571-731-11 SWITCH, TACTIL	
R1566	1-215-375-00	METAL	12 1% 1/4W		S1603	1-571-731-11 SWITCH, TACTIL	
R1567	1-215-375-00	METAL	12 1% 1/4W		S1604	1-571-731-11 SWITCH, TACTIL	
R1568	1-215-375-00	METAL	12 1% 1/4W		S1605	1-571-731-11 SWITCH, TACTIL	
R1569	1-215-445-00	METAL	10K 1% 1/4W		S1606 A	1-571-731-21 SWITCH, TACTIL	
R1570	1-215-445-00	METAL	10K 1% 1/4W				
R1571	1-249-417-11	CARBON	1K 5% 1/4W				
R1572	1-215-445-00	METAL	10K 1% 1/4W				
R1573	1-215-375-00	METAL	12 1% 1/4W				
R1574	1-215-375-00	METAL	12 1% 1/4W				
R1575	1-215-375-00	METAL	12 1% 1/4W				
R1576	1-215-445-00	METAL	10K 1% 1/4W				
R1577	1-215-445-00	METAL	10K 1% 1/4W				
R1578	1-249-417-11	CARBON	1K 5% 1/4W				
R1579	1-249-417-11	CARBON	1K 5% 1/4W				
R1580	1-249-417-11	CARBON	1K 5% 1/4W			<CAPACITOR>	
R1581	1-249-432-11	CARBON	18K 5% 1/4W		C1651	1-124-477-11 ELECT	47MF 20% 16V
R1582	1-249-432-11	CARBON	18K 5% 1/4W		C1655	1-124-927-11 ELECT	4.7MF 20% 50V
<CONNECTOR>							
V2	*1-564-518-11	PLUG, CONNECTOR 3P					
V22	1-573-300-21	CONNECTOR, BOARD TO BOARD 18P					
<DIODE>							
D1651	8-719-908-03	DIODE GP08D					
D1652	8-719-908-03	DIODE GP08D					
D1653	8-719-108-12	DIODE RD9.1EW					

H2

YA

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
D1654	8-719-108-12	DIODE RD9.1EW									
D1655	8-719-108-12	DIODE RD9.1EW									
D1659	8-719-911-19	DIODE 1SS119									
D1660	8-719-110-88	DIODE RD39ESB2									
D1661	8-719-110-88	DIODE RD39ESB2									
D1662	8-719-110-88	DIODE RD39ESB2		*1-644-632-11	YA BOARD	*****					
D1663	8-719-110-88	DIODE RD39ESB2									
<CONNECTOR>											
H22	*1-564-519-11	PLUG, CONNECTOR 4P		C7001	1-124-902-00	ELECT	0.47MF				
H25	*1-564-517-11	PLUG, CONNECTOR 2P		C7002	1-102-824-00	CERAMIC	470PF				
H26	*1-564-519-11	PLUG, CONNECTOR 4P		C7003	1-124-910-11	ELECT	47MF				
H28	*1-564-518-11	PLUG, CONNECTOR 3P		C7005	1-124-618-11	ELECT	2200MF				
H211	1-564-517-11	PLUG, CONNECTOR 2P		C7006	1-137-399-11	FILM	0.1MF				
H216	*1-564-525-11	PLUG, CONNECTOR 10P		C7007	1-124-910-11	ELECT	47MF				
H225	*1-564-518-11	PLUG, CONNECTOR 3P		C7008	1-124-910-11	ELECT	47MF				
H2-20	*1-564-517-11	PLUG, CONNECTOR 2P		C7009	1-137-399-11	FILM	0.1MF				
H2-21	*1-564-517-11	PLUG, CONNECTOR 2P		C7010	1-124-618-11	ELECT	2200MF				
(KP-46XBR35/53XBR35(U/C))											
1-564-517-11 PLUG, CONNECTOR 2P (KP-61XBR38)											
<JACK>											
J1651	1-695-817-11	JACK BLOCK, PIN 3P		C7013	1-124-902-00	ELECT	0.47MF				
<RESISTOR>											
JW54	1-123-549-00	ELECT	6.8MF	C7014	1-102-824-00	CERAMIC	470PF				
JW55	1-123-549-00	ELECT	6.8MF	C7015	1-124-917-11	ELECT	33MF				
			(KP-61XBR38)	C7016	1-124-572-11	ELECT	100MF				
			(KP-61XBR38)	C7017	1-124-921-11	ELECT	470MF				
<TRANSISTOR>											
Q1651	8-729-119-78	TRANSISTOR 2SC2785-HFE		D7041	8-719-946-29	DIODE 1SS198TA					
Q1652	8-729-119-78	TRANSISTOR 2SC2785-HFE		D7042	8-719-946-29	DIODE 1SS198TA					
Q1653	8-729-119-78	TRANSISTOR 2SC2785-HFE		<IC>							
<RELAY>											
RY1651	1-515-586-11	RELAY (DS-2)		IC7001	8-749-920-14	IC STK4412					
RY1652	1-515-586-11	RELAY (DS-2)		<TRANSISTOR>							
<SWITCH>											
S1651	1-571-731-11	SWITCH, TACTIL		Q7001	8-729-141-26	TRANSISTOR 2SC3622A-LK					
S1652	1-571-731-11	SWITCH, TACTIL		Q7002	8-729-141-26	TRANSISTOR 2SC3622A-LK					
S1653	1-571-731-11	SWITCH, TACTIL		Q7041	8-729-141-26	TRANSISTOR 2SC3622A-LK					
S1654	1-571-731-11	SWITCH, TACTIL		<RESISTOR>							
S1655	1-571-731-11	SWITCH, TACTIL		R7001	1-249-433-11	CARBON	22K				
				R7002	1-249-433-11	CARBON	22K				
				R7003	1-249-441-11	CARBON	100K				
				R7006	1-249-430-11	CARBON	12K				
				R7007	1-249-411-11	CARBON	330				
				R7008	▲ 1-215-888-71	METAL OXIDE	220				
				R7009	1-249-389-11	CARBON	4.7				
				R7010	1-249-389-11	CARBON	4.7				
				R7011	▲ 1-215-888-71	METAL OXIDE	220				
				R7012	1-249-430-11	CARBON	12K				
				R7014	1-249-411-11	CARBON	330				
				R7016	1-249-441-11	CARBON	100K				
				R7017	1-249-441-11	CARBON	100K				
				R7018	1-247-889-00	CARBON	270K				
				R7019	1-247-807-31	CARBON	100				
				R7023	1-215-445-00	METAL	10K				
				R7024	1-215-445-00	METAL	10K				
				R7030	1-215-439-00	METAL	5.6K				
				R7031	1-215-439-00	METAL	5.6K				
				R7041	1-247-895-00	CARBON	470K				
				R7042	1-247-895-00	CARBON	470K				

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YA **YG** **ZR** **ZG** **ZB** **N**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R7043	1-247-893-11	CARBON	390K 5% 1/4W				
R7044	1-249-437-11	CARBON	47K 5% 1/4W				
R7100A	1-217-286-11	WIREWOUND	1 10% 5W F				
R7101A	1-217-288-11	WIREWOUND	1.5 10% 5W F				
R7102A	1-217-288-11	WIREWOUND	1.5 10% 5W F				
<CONNECTOR>							
YA2	*1-564-507-11	PLUG, CONNECTOR 4P					
YA7	*1-564-505-11	PLUG, CONNECTOR 2P					
YA8	*1-564-506-11	PLUG, CONNECTOR 3P					
YA28	*1-564-508-11	PLUG, CONNECTOR 5P					

*1-644-633-11 YG BOARD		*****					
<CAPACITOR>							
C7201	1-125-463-11	ELECT(BLOCK)	2200MF 20% 63V				
C7202	1-124-607-11	ELECT	2200MF 20% 50V				
C7203	1-101-821-00	CERAMIC	0.0022MF 500V				
C7204	1-101-821-00	CERAMIC	0.0022MF 500V				
C7205	1-101-821-00	CERAMIC	0.0022MF 500V				
C7206	1-101-821-00	CERAMIC	0.0022MF 500V				
C7207	1-161-743-00	CERAMIC	0.0047MF 400V				
<DIODE>							
D7201	8-719-110-30	DIODE RD12ESB1					
D7202A	8-719-312-09	DIODE RBA-402					
D7203A	8-719-312-09	DIODE RBA-402					
<FUSE>							
F7201A	1-532-746-11	FUSE, GLASS TUBE 4A/125V					
F7202A	1-532-746-11	FUSE, GLASS TUBE 4A/125V					
<RESISTOR>							
R7201	1-249-406-11	CARBON	120 5% 1/4W F				
R7202A	1-215-879-71	METAL OXIDE	47K 5% 1W F				
R7203A	1-215-879-71	METAL OXIDE	47K 5% 1W F				
<RELAY>							
RY7201A	1-515-684-12	RELAY					
<CONNECTOR>							
YG1	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P					
YG2	*1-564-507-11	PLUG, CONNECTOR 4P					
YG3	*1-564-507-11	PLUG, CONNECTOR 4P					
YG5	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P					
YG9	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					
YG12	1-564-505-11	PLUG, CONNECTOR 2P					

*A-1390-340-A ZR BOARD, COMPLETE		*****					
<RESISTOR>							
R1903	1-249-414-11	CARBON	560 5% 1/4W				
R1904	1-249-414-11	CARBON	560 5% 1/4W				
<CONNECTOR>							
ZR2	*1-564-518-11	PLUG, CONNECTOR 3P					
ZR18	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P					
ZR-1	*1-564-522-11	PLUG, CONNECTOR 7P					

*A-1390-346-A ZG BOARD, COMPLETE		*****					
<RESISTOR>							
R1913	1-249-414-11	CARBON	560 5% 1/4W				
R1914	1-249-414-11	CARBON	560 5% 1/4W				
<CONNECTOR>							
ZG19	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P					
ZG-2	1-564-523-11	PLUG, CONNECTOR 8P					

*A-1390-347-A ZB BOARD, COMPLETE		*****					
<RESISTOR>							
R1923	1-249-414-11	CARBON	560 5% 1/4W				
R1924	1-249-414-11	CARBON	560 5% 1/4W				
<CONNECTOR>							
ZB20	*1-691-292-11	PIN, CONNECTOR (PC BOARD) 3P					
ZB-3	1-564-524-11	PLUG, CONNECTOR 9P					

*A-1390-351-A N BOARD, COMPLETE		*****					
<CAPACITOR>							
C801	1-125-489-00	ELECT(BLOCK)	560MF 20% 200V				
C802	1-123-024-21	ELECT	33MF 5% 160V				
C803	1-136-729-11	FILM	1.5MF 5% 400V				
C804	1-106-383-00	MYLAR	0.047MF 20% 200V				
C805	1-102-030-00	CERAMIC	330PF 10% 500V				
C806	1-130-495-00	MYLAR	0.1MF 5% 50V				
C807	1-124-667-11	ELECT	10MF 20% 50V				
C808	1-126-183-11	ELECT	1000MF 20% 16V				
C809	1-124-903-11	ELECT	1MF 20% 50V				
C810	1-124-903-11	ELECT	1MF 20% 50V				
C811	1-124-902-00	ELECT	0.47MF 20% 50V				
C812	1-102-973-00	CERAMIC	100PF 5% 50V				
C813	1-102-244-00	CERAMIC	220PF 10% 500V				
C814	1-106-391-12	MYLAR	0.1MF 10% 200V				
C815	1-106-367-00	MYLAR	0.01MF 10% 200V				
C816	1-124-907-11	ELECT	10MF 20% 50V				

N

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REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C817	1-124-119-00	ELECT	330MF	20%	16V			
C818	1-102-824-00	CERAMIC	470PF	5%	50V			
C819	1-124-907-11	ELECT	10MF	20%	50V			
C820	1-124-907-11	ELECT	10MF	20%	50V			
C821	1-124-907-11	ELECT	10MF	20%	50V			
C822	1-124-034-51	ELECT	33MF	20%	16V			
C823	1-124-907-11	ELECT	10MF	20%	50V			
C824	1-124-034-51	ELECT	33MF	20%	16V			
C825	1-124-034-51	ELECT	33MF	20%	16V			
C826	1-124-907-11	ELECT	10MF	20%	50V			
C827	1-124-907-11	ELECT	10MF	20%	50V			
C828	1-124-907-11	ELECT	10MF	20%	50V			
C829	1-124-034-51	ELECT	33MF	20%	16V			
C830	1-124-907-11	ELECT	10MF	20%	50V			
C831	1-106-220-00	MYLAR	0.1MF	10%	100V			
C832	1-124-907-11	ELECT	10MF	20%	50V			
C833	1-124-916-11	ELECT	22MF	20%	50V			
C834	1-130-487-00	MYLAR	0.022MF	5%	50V			
C835	1-124-927-11	ELECT	4.7MF	20%	50V			
C836	1-130-475-00	MYLAR	0.0022MF	5%	50V			
C837	1-136-169-00	FILM	0.22MF	5%	50V			
C838	1-130-475-00	MYLAR	0.0022MF	5%	50V			
C839	1-102-106-00	CERAMIC	100PF	10%	50V			
C840	Δ 1-136-807-11	FILM	0.018MF	3%	1.6KV			
C841	1-136-729-11	FILM	1.5MF	5%	400V			
C842	1-130-471-00	MYLAR	0.001MF	5%	50V			
C850	1-136-169-00	FILM	0.22MF	5%	50V			
C851	1-124-907-11	ELECT	10MF	20%	50V			
C852	1-124-907-11	ELECT	10MF	20%	50V			
C853	1-106-220-00	MYLAR	0.1MF	10%	100V			
C854	1-126-329-11	ELECT	470MF	20%	50V			
C855	1-124-514-11	ELECT	100MF	20%	50V			
C856	1-162-114-00	CERAMIC	0.0047MF		2KV			
C858	1-124-119-00	ELECT	330MF	20%	16V			
C888	1-124-903-11	ELECT	1MF	20%	50V			
<DIODE>								
D801	8-719-928-08	DIODE	ERD28-08S					
D802	8-719-300-80	DIODE	RU-1C					
D803	8-719-109-85	DIODE	RD5.1ESB2					
D804	8-719-911-19	DIODE	ISS119					
D805	8-719-911-19	DIODE	ISS119					
D806	8-719-109-85	DIODE	RD5.1ESB2					
D807	8-719-109-85	DIODE	RD5.1ESB2					
D808	8-719-911-19	DIODE	ISS119					
D809	8-719-911-19	DIODE	ISS119					
D810	8-719-911-19	DIODE	ISS119					
D811	8-719-109-85	DIODE	RD5.1ESB2					
D812	8-719-911-19	DIODE	ISS119					
D813	8-719-911-19	DIODE	ISS119					
D814	8-719-911-19	DIODE	ISS119					
D815	8-719-110-36	DIODE	RD13ESB2					
D817	8-719-945-80	DIODE	ERC06-15S					
D820	8-719-911-19	DIODE	ISS119					
D850	8-719-109-71	DIODE	RD3.9ESB1					
D851	Δ 8-719-903-09	DIODE	V30N					
D852	8-719-911-19	DIODE	ISS119					
D853	Δ 8-719-903-09	DIODE	V30N					
D891	8-719-110-49	DIODE	RD18ESB2					
D892	8-719-110-49	DIODE	RD18ESB2					
<TRANSISTOR>								
Q801	Δ 8-729-201-61	TRANSISTOR	2SC2555-1					
Q802	8-729-119-80	TRANSISTOR	2SC2688-LK					
Q803	8-729-119-76	TRANSISTOR	2SA1175-HFE					
Q804	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q805	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q806	8-729-119-80	TRANSISTOR	2SC2688-LK					
Q807	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q808	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q809	8-729-119-76	TRANSISTOR	2SA1175-HFE					
Q811	Δ 8-729-805-07	TRANSISTOR	2SD1887-CA					
Q820	8-729-119-76	TRANSISTOR	2SA1175-HFE					
Q851	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q852	8-729-119-78	TRANSISTOR	2SC2785-HFE					
Q853	8-729-823-81	TRANSISTOR	2SC4632-CB7					
<RESISTOR>								
R801	Δ 1-216-378-91	METAL OXIDE	5.6	5%	2W	F		
R802	Δ 1-215-926-91	METAL OXIDE	33K	5%	3W	F		
R803	Δ 1-215-926-91	METAL OXIDE	33K	5%	3W	F		
R804	1-249-429-11	CARBON	10K	5%	1/4W			
R805	1-249-423-11	CARBON	3.3K	5%	1/4W			
R806	1-249-425-11	CARBON	4.7K	5%	1/4W			
R807	1-249-441-11	CARBON	100K	5%	1/4W			
R808	1-249-417-11	CARBON	1K	5%	1/4W			
R809	1-249-417-11	CARBON	1K	5%	1/4W			
R810	1-249-441-11	CARBON	100K	5%	1/4W			

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

N S

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the values originally used.

* : Selected to yield optimum performance.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
C3508	1-164-005-11	CERAMIC CHIP 0.47MF		R3513	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W				
C3509	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	R3514	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W				
C3515	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	R3519	1-216-049-00	METAL GLAZE 1K	5% 1/10W				
C3540	1-126-157-11	ELECT 10MF	20% 16V	R3520	1-216-049-00	METAL GLAZE 1K	5% 1/10W				
<DIODE>											
D3444	8-719-404-46	DIODE MA110		R3521	1-216-049-00	METAL GLAZE 1K	5% 1/10W				
<IC>											
IC3401	8-759-403-44	IC MN1280-S		R3525	1-216-295-00	METAL GLAZE 0	5% 1/10W				
IC3402	8-759-070-42	IC M37201M6-A18FP		R3526	1-216-073-00	METAL GLAZE 10K	5% 1/10W				
IC3441	8-759-708-05	IC NJM78L05A		R3528	1-216-295-00	METAL GLAZE 0	5% 1/10W				
IC3442	8-759-084-12	IC LA7945		R3529	1-216-295-00	METAL GLAZE 0	5% 1/10W				
IC3443	8-759-187-22	IC LC7458B-03		R3530	1-216-073-00	METAL GLAZE 10K	5% 1/10W				
IC3444	8-759-403-44	IC MN1280-S		R3531	1-216-073-00	METAL GLAZE 10K	5% 1/10W				
<COIL>											
L3401	1-408-421-00	INDUCTOR	100UH	R3532	1-216-073-00	METAL GLAZE 10K	5% 1/10W				
L3461	1-408-409-00	INDUCTOR	10UH	R3535	1-216-033-00	METAL GLAZE 220	5% 1/10W				
L3462	1-408-421-00	INDUCTOR	100UH	R3537	1-216-295-00	METAL GLAZE 0	5% 1/10W				
<TRANSISTOR>											
Q3441	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R3540	1-216-073-00	METAL GLAZE 10K	5% 1/10W				
Q3444	8-729-903-10	TRANSISTOR FMW1		<CONNECTOR>							
<RESISTOR>											
R3401	1-216-049-00	METAL GLAZE 1K	5% 1/10W	S-42	*1-565-514-11	SOCKET, CONNECTOR 2P					
R3402	1-216-049-00	METAL GLAZE 1K	5% 1/10W	S-42	*1-568-378-21	PIN, CONNECTOR 3P					
R3403	1-216-073-00	METAL GLAZE 10K	5% 1/10W	S-43	*1-564-508-11	PLUG, CONNECTOR 5P					
R3404	1-216-033-00	METAL GLAZE 220	5% 1/10W	S-45	*1-564-511-71	PLUG, CONNECTOR 8P					
R3405	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	S-46	*1-564-506-11	PLUG, CONNECTOR 3P					
R3406	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W	S-47	*1-564-506-11	PLUG, CONNECTOR 3P					
R3407	1-216-033-00	METAL GLAZE 220	5% 1/10W	<CRYSTAL>							
R3408	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W	X3401	1-577-358-21	VIBRATOR, CERAMIC					
R3409	1-216-033-00	METAL GLAZE 220	5% 1/10W	X3441	1-579-126-11	VIBRATOR, CERAMIC					
R3441	1-216-025-00	METAL GLAZE 100	5% 1/10W	*****							
R3442	1-216-041-00	METAL GLAZE 470	5% 1/10W	*A-1394-429-A U BOARD, COMPLETE							
R3443	1-216-025-00	METAL GLAZE 100	5% 1/10W	*****							
R3444	1-216-077-00	METAL GLAZE 15K	5% 1/10W	<CAPACITOR>							
R3445	1-216-689-11	METAL GLAZE 39K	5% 1/10W	C1004	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
R3446	1-216-085-00	METAL GLAZE 33K	5% 1/10W	C1005	1-126-301-11	ELECT	1MF	20%	50V		
R3449	1-216-073-00	METAL GLAZE 10K	5% 1/10W	C1006	1-164-096-11	CERAMIC	0.01MF		50V		
R3450	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	C1007	1-124-598-11	ELECT	22MF	20%	25V		
R3451	1-216-093-00	METAL GLAZE 68K	5% 1/10W	C1008	1-124-598-11	ELECT	22MF	20%	25V		
R3452	1-216-079-00	METAL GLAZE 18K	5% 1/10W	C1010	1-124-465-00	ELECT	0.47MF	20%	50V		
R3453	1-216-679-11	METAL CHIP 15K	0.50% 1/10W	C1011	1-124-465-00	ELECT	0.47MF	20%	50V		
R3454	1-216-049-00	METAL GLAZE 1K	5% 1/10W	C1012	1-124-465-00	ELECT	0.47MF	20%	50V		
R3455	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	C1013	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
R3456	1-216-077-00	METAL GLAZE 15K	5% 1/10W	C1014	1-126-163-11	ELECT	4.7MF	20%	50V		
R3463	1-216-073-00	METAL GLAZE 10K	5% 1/10W	C1016	1-126-163-11	ELECT	4.7MF	20%	50V		
R3464	1-216-073-00	METAL GLAZE 10K	5% 1/10W	C1018	1-126-301-11	ELECT	1MF	20%	50V		
R3465	1-216-073-00	METAL GLAZE 10K	5% 1/10W	C1020	1-124-242-00	ELECT	33MF	20%	25V		
R3472	1-216-091-00	METAL GLAZE 56K	5% 1/10W	C1021	1-124-465-00	ELECT	0.47MF	20%	50V		
R3473	1-216-025-00	METAL GLAZE 100	5% 1/10W	C1022	1-124-242-00	ELECT	33MF	20%	25V		
R3474	1-216-295-00	METAL GLAZE 0	5% 1/10W	C1026	1-102-949-00	CERAMIC	12PF	5%	50V		
R3504	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W	C1027	1-102-949-00	CERAMIC	12PF	5%	50V		
R3509	1-216-049-00	METAL GLAZE 1K	5% 1/10W	C1028	1-124-242-00	ELECT	33MF	20%	25V		
R3511	1-216-025-00	METAL GLAZE 100	5% 1/10W	C1029	1-124-282-00	ELECT	22MF	20%	16V		
R3512	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W	C1030	1-124-478-11	ELECT	100MF	20%	25V		
R3513	1-216-059-00	METAL GLAZE 1K	5% 1/10W	C1031	1-102-963-00	CERAMIC	33PF	5%	50V		
R3514	1-216-059-00	METAL GLAZE 1K	5% 1/10W	C1034	1-124-282-00	ELECT	22MF	20%	16V		
R3515	1-216-059-00	METAL GLAZE 0	5% 1/10W	C1036	1-124-282-00	ELECT	22MF	20%	16V		
R3516	1-216-059-00	METAL GLAZE 2.2K	5% 1/10W	C1037	1-124-282-00	ELECT	22MF	20%	16V		
R3517	1-216-059-00	METAL GLAZE 1K	5% 1/10W	C1039	1-124-478-11	ELECT	100MF	20%	25V		
R3518	1-216-059-00	METAL GLAZE 1K	5% 1/10W	C1047	1-124-465-00	ELECT	0.47MF	20%	50V		
R3519	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W	C1048	1-126-301-11	ELECT	1MF	20%	50V		

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REF. NO.	PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK	
C1049	1-124-598-11	ELECT	22MF	20%	25V	R1016	1-249-441-11	CARBON	100K 5%	1/4W
C1051	1-124-465-00	ELECT	0.47MF	20%	50V	R1017	1-247-807-31	CARBON	100 5%	1/4W
C1055	1-124-589-11	ELECT	47MF	20%	16V	R1018	1-249-427-11	CARBON	6.8K 5%	1/4W
C1056	1-124-499-11	ELECT	1MF	20%	50V	R1019	1-249-427-11	CARBON	6.8K 5%	1/4W
C1057	1-124-768-11	ELECT	4.7MF	20%	50V	R1023	1-247-807-31	CARBON	100 5%	1/4W
C1059	1-124-499-11	ELECT	1MF	20%	50V	R1026	1-249-425-11	CARBON	4.7K 5%	1/4W
C1060	1-124-499-11	ELECT	1MF	20%	50V	R1028	1-249-434-11	CARBON	27K 5%	1/4W
C1061	1-124-499-11	ELECT	1MF	20%	50V	R1029	1-249-435-11	CARBON	33K 5%	1/4W
C1062	1-102-129-00	CERAMIC	0.01MF	10%	50V	R1030	1-249-417-11	CARBON	1K 5%	1/4W
C1063	1-124-768-11	ELECT	4.7MF	20%	50V	R1032	1-249-417-11	CARBON	1K 5%	1/4W
C1066	1-126-101-11	ELECT	100MF	20%	16V	R1033	1-249-393-11	CARBON	10 5%	1/4W F
<DIODE>										
D1005	8-719-110-36	DIODE	RD13ESB2			R1043	1-249-417-11	CARBON	1K 5%	1/4W
D1009	8-719-110-36	DIODE	RD13ESB2			R1046	1-249-413-11	CARBON	470 5%	1/4W
D1010	8-719-110-36	DIODE	RD13ESB2			R1048	1-247-807-31	CARBON	100 5%	1/4W
D1011	8-719-110-36	DIODE	RD13ESB2			R1050	1-247-807-31	CARBON	100 5%	1/4W
D1012	8-719-110-36	DIODE	RD13ESB2			R1051	1-249-417-11	CARBON	1K 5%	1/4W
D1013	8-719-110-36	DIODE	RD13ESB2			R1052	1-249-413-11	CARBON	470 5%	1/4W
D1017	8-719-110-36	DIODE	RD13ESB2			R1054	1-247-807-31	CARBON	100 5%	1/4W
D1018	8-719-110-36	DIODE	RD13ESB2			R1055	1-249-413-11	CARBON	470 5%	1/4W
D1019	8-719-110-36	DIODE	RD13ESB2			R1056	1-247-807-31	CARBON	100 5%	1/4W
D1020	8-719-109-66	DIODE	RD3.3ESB2			R1057	1-249-441-11	CARBON	100K 5%	1/4W
D1021	8-719-109-66	DIODE	RD3.3ESB2			R1059	1-247-807-31	CARBON	100 5%	1/4W
D1022	8-719-109-66	DIODE	RD3.3ESB2			R1061	1-249-409-11	CARBON	220 5%	1/4W
<IC>										
IC1002	8-752-067-28	IC	CXA1545AS			R1062	1-249-441-11	CARBON	100K 5%	1/4W
IC1011	8-759-145-57	IC	UPC4557C			R1063	1-249-409-11	CARBON	220 5%	1/4W
<COIL>										
L1001	1-408-422-00	INDUCTOR	120UH			R1066	1-215-437-00	METAL	4.7K 1%	1/4W
L1002	1-408-422-00	INDUCTOR	120UH			R1067	1-215-437-00	METAL	4.7K 1%	1/4W
<TRANSISTOR>										
Q1009	8-729-119-78	TRANSISTOR	2SC2785-HFE			R1068	1-215-437-00	METAL	4.7K 1%	1/4W
Q1010	8-729-119-78	TRANSISTOR	2SC2785-HFE			R1069	1-215-437-00	METAL	4.7K 1%	1/4W
Q1016	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1070	1-249-411-11	CARBON	330 5%	1/4W
Q1017	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1071	1-249-431-11	CARBON	15K 5%	1/4W
Q1018	8-729-141-26	TRANSISTOR	2SC3622A-LK			R1073	1-249-431-11	CARBON	15K 5%	1/4W
Q1019	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1077	1-249-418-11	CARBON	1.2K 5%	1/4W
Q1020	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1078	1-249-418-11	CARBON	1.2K 5%	1/4W
Q1021	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1079	1-247-807-31	CARBON	100 5%	1/4W
Q1022	8-729-141-26	TRANSISTOR	2SC3622A-LK			R1080	1-215-423-00	METAL	1.2K 1%	1/4W
Q1023	8-729-119-78	TRANSISTOR	2SC2785-HFE			R1081	1-215-421-00	METAL	1K 1%	1/4W
Q1029	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1089	1-247-807-31	CARBON	100 5%	1/4W
Q1030	8-729-119-78	TRANSISTOR	2SC2785-HFE			R1094	1-247-807-31	CARBON	100 5%	1/4W
Q1031	8-729-119-78	TRANSISTOR	2SC2785-HFE			R1096	1-247-807-31	CARBON	100 5%	1/4W
Q1032	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1099	1-249-413-11	CARBON	470 5%	1/4W
Q1033	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1110	1-247-807-31	CARBON	100 5%	1/4W
Q1034	8-729-119-76	TRANSISTOR	2SA1175-HFE			R1116	1-249-441-11	CARBON	100K 5%	1/4W
<RESISTOR>										
R1011	1-249-435-11	CARBON	33K 5%	1/4W		R1118	1-249-413-11	CARBON	470 5%	1/4W
R1012	1-249-434-11	CARBON	27K 5%	1/4W		R1120	1-249-413-11	CARBON	470 5%	1/4W
R1013	1-249-417-11	CARBON	1K 5%	1/4W		R1121	1-249-441-11	CARBON	100K 5%	1/4W
R1014	1-249-441-11	CARBON	100K 5%	1/4W		R1122	1-249-413-11	CARBON	470 5%	1/4W
R1015	1-249-425-11	CARBON	4.7K 5%	1/4W		R1133	1-247-807-31	CARBON	100 5%	1/4W
						R1134	1-247-807-31	CARBON	100 5%	1/4W
						R1137	1-249-411-11	CARBON	330 5%	1/4W
						R1138	1-249-415-11	CARBON	680 5%	1/4W
						R1139	1-249-413-11	CARBON	470 5%	1/4W
						R1140	1-249-413-11	CARBON	470 5%	1/4W
						R1141	1-249-413-11	CARBON	470 5%	1/4W
						R1142	1-249-415-11	CARBON	680 5%	1/4W
						R1147	1-247-807-31	CARBON	100 5%	1/4W
						R1148	1-247-807-31	CARBON	100 5%	1/4W
						R1149	1-249-417-11	CARBON	1K 5%	1/4W
						R1150	1-247-807-31	CARBON	100 5%	1/4W
						R1151	1-247-807-31	CARBON	100 5%	1/4W

U **UT**

Les composants identifiés par une trame et par une marque **▲** sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK						
R1152	1-249-417-11	CARBON	1K 5% 1/4W	<RESISTOR>									
<CONNECTOR>													
U-12 1-573-300-21 CONNECTOR, BOARD TO BOARD 18P													
U-13 1-573-300-21 CONNECTOR, BOARD TO BOARD 18P													
U-16 *1-564-513-11 PLUG, CONNECTOR 10P													
U-22 *1-565-930-11 CONNECTOR (RECEPTACLE) 30P													
U-23 *1-566-367-11 CONNECTOR, HINGE (RECEPTACLE)													
U-32 *1-564-510-11 PLUG, CONNECTOR 7P													
U-47 *1-564-506-11 PLUG, CONNECTOR 3P													

*A-1394-434-A UT BOARD, COMPLETE													

<CAPACITOR>													
C1152	1-102-074-00	CERAMIC	0.001MF 10%	50V	R1153	1-249-403-11	CARBON	68 5% 1/4W					
C1153	1-164-096-11	CERAMIC	0.01MF	50V	R1154	1-249-429-11	CARBON	10K 5% 1/4W					
C1154	1-164-096-11	CERAMIC	0.01MF	50V	R1158	1-247-804-11	CARBON	75 5% 1/4W					
C1155	1-126-103-11	ELECT	470MF	20% 16V	R1164	1-247-895-00	CARBON	470K 5% 1/4W					
C1158	1-124-598-11	ELECT	22MF	20% 25V	R1165	1-247-895-00	CARBON	470K 5% 1/4W					
C1159	1-124-598-11	ELECT	22MF	20% 25V	R1166	1-247-895-00	CARBON	470K 5% 1/4W					
C1160	1-124-598-11	ELECT	22MF	20% 25V	R1167	1-247-895-00	CARBON	470K 5% 1/4W					
C1161	1-124-598-11	ELECT	22MF	20% 25V	R1168	1-247-895-00	CARBON	470K 5% 1/4W					
C1164	1-126-103-11	ELECT	470MF	20% 16V	R1169	1-249-403-11	CARBON	68 5% 1/4W					
C1165	1-126-301-11	ELECT	1MF	20% 50V	R1170	1-249-403-11	CARBON	68 5% 1/4W					
C1166	1-126-301-11	ELECT	1MF	20% 50V	R1171	1-247-895-00	CARBON	470K 5% 1/4W					
C1167	1-126-301-11	ELECT	1MF	20% 50V	R1172	1-247-895-00	CARBON	470K 5% 1/4W					
C1168	1-126-301-11	ELECT	1MF	20% 50V	R1173	1-247-804-11	CARBON	75 5% 1/4W					
C1199	1-102-129-00	CERAMIC	0.01MF	10% 50V	R1174	1-247-895-00	CARBON	470K 5% 1/4W					
C1200	1-102-129-00	CERAMIC	0.01MF	10% 50V	R1175	1-247-895-00	CARBON	470K 5% 1/4W					
<DIODE>													
D1151	8-719-110-36	DIODE RD13ESB2	<SWITCH>										
D1152	8-719-110-36	DIODE RD13ESB2	S1150	1-572-198-11	SWITCH, KEYBOARD								
D1158	8-719-110-36	DIODE RD13ESB2	<CONNECTOR>										
D1159	8-719-110-36	DIODE RD13ESB2	UT9	*1-564-517-11	PLUG, CONNECTOR 2P								
D1160	8-719-110-36	DIODE RD13ESB2	UT11	*1-564-519-11	PLUG, CONNECTOR 4P								
D1161	8-719-110-36	DIODE RD13ESB2	UT22	*1-565-928-11	CONNECTOR (TUB) 30P								
D1162	8-719-110-36	DIODE RD13ESB2	UT23	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P								
D1163	8-719-110-36	DIODE RD13ESB2	UT35	*1-564-518-11	PLUG, CONNECTOR 3P								
D1164	8-719-110-36	DIODE RD13ESB2	UT38	1-564-517-11	PLUG, CONNECTOR 2P								
D1165	8-719-110-36	DIODE RD13ESB2	*****										
D1166	8-719-110-36	DIODE RD13ESB2	MISCELLANEOUS										
D1167	8-719-110-36	DIODE RD13ESB2	J1001	1-241-744-11	RESISTOR ASSY (HIGH-VOLTAGE)								
D1168	8-719-110-36	DIODE RD13ESB2	J1003	1-417-178-11	SELECTOR, ANTENNA (AS-2)								
D1169	8-719-110-36	DIODE RD13ESB2	J1004	1-451-396-21	DEFLECTION YOKE (Y936PA)								
D1170	8-719-110-36	DIODE RD13ESB2	J1005	1-452-443-13	NECK ASSY, PICTURE TUBE (NA367)								
D1171	8-719-110-36	DIODE RD13ESB2	J1006	1-453-108-11	DC BLOCK, HIGH-VOLTAGE								
<JACK>													
J1001	1-537-188-11	TERMINAL, PUSH (8P)	J1007	1-504-141-11	SPEAKER (13CM) (KP-46XBR35/53XBR35(U/C))								
J1003	1-573-970-11	BLOCK, (S) TERMINAL	J1008	1-504-312-11	SPEAKER (SQUAWKER) (5CM) (KP-61XBR38)								
J1004	1-695-304-11	TERMINAL BLOCK, S		1-504-313-11	SPEAKER (16CM) (KP-61XBR38)								
J1005	1-695-054-11	JACK BLOCK, PIN		1-544-580-21	SPEAKER (2.5CM) (KP-46XBR35/53XBR35(U/C))								
J1006	1-573-970-11	BLOCK, (S) TERMINAL		*1-555-400-00	CABLE, PIN								

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*1-557-056-31	CABLE, P-P	
	Δ 1-696-002-12	CORD, POWER(WITH NOISE FILTER) 7.0A/125V	
	Δ 8-736-634-05	PICTURE TUBE 07MK3(G)	
	Δ 8-736-635-05	PICTURE TUBE 07MK3(B) (KP-46XBR35/53XBR35(U/C))	
	Δ 8-736-636-05	PICTURE TUBE 07MK3(R) (KP-46XBR35/53XBR35(U/C))	
	Δ 8-736-640-05	PICTURE TUBE 07MK2(B) (KP-61XBR38)	
	Δ 8-736-641-05	PICTURE TUBE 07MK2(R) (KP-61XBR38)	
\blacksquare R900	Δ	METAL	1/4W
\blacksquare R901	Δ	METAL	1/4W
\blacksquare R902	Δ	METAL	1/4W

T7201 Δ 1-423-311-21 TRANSFORMER, POWER

ACCESSORIES AND PACKING MATERIALS

3-758-548-21	MANUAL, INSTRUCTION (ENGLISH) (KP-46XBR35/53XBR35(U/C)/61XBR38)
3-758-548-31	MANUAL, INSTRUCTION (FRENCH) (KP-53XBR35(CND))
3-758-548-41	MANUAL, INSTRUCTION (SPANISH) (KP-46XBR35/53XBR35(US)/61XBR38)
*4-030-895-01	JOINT
*4-037-320-01	CUSHION (UPPER) (ASSY) (KP-53XBR35(U/C))
*4-037-670-01	CUSHION (UPPER) (ASSY) (KP-46XBR35)
*4-040-904-01	CUSHION (UPPER) (ASSY) (KP-61XBR38)
*4-037-321-01	CUSHION (LOWER) (ASSY) (KP-53XBR35(U/C))
*4-037-671-01	CUSHION (LOWER) (ASSY) (KP-46XBR35)
*4-040-905-01	CUSHION (LOWER) (ASSY) (KP-61XBR38)
*4-037-326-01	INDIVIDUAL CARTON (KP-53XBR35(U/C))
*4-037-672-01	INDIVIDUAL CARTON (KP-46XBR35)
*4-040-907-02	INDIVIDUAL CARTON (KP-61XBR38)
*4-037-327-01	TRAY (KP-53XBR35(U/C))
*4-037-671-01	TRAY (KP-46XBR35)
*4-040-906-01	TRAY (KP-61XBR38)
*4-037-674-01	PLATE, TOP (KP-46XBR35)
*4-037-328-01	PLATE, TOP (KP-53XBR35(U/C))
*4-040-111-01	PLATE, TOP (KP-61XBR38)
*4-037-675-01	PLATE, BOTTOM (KP-46XBR35)
*4-037-329-01	PLATE, BOTTOM (KP-53XBR35(U/C))
*4-040-903-01	PLATE, BOTTOM (KP-61XBR38)
*4-041-423-01	SHEET, PROTECTION (KP-46XBR35)
*4-042-463-01	SHEET, PROTECTION (KP-53XBR35(U/C))
*4-042-464-01	SHEET, PROTECTION (KP-61XBR38)
*4-041-425-01	BAG, PROTECTION (KP-46XBR35)
*4-041-426-01	BAG, PROTECTION (KP-53XBR35(U/C))
*4-041-428-01	BAG, PROTECTION (KP-61XBR38)
*4-039-795-02	PALLET, CUSHION (KP-53XBR35(U/C))
*4-042-310-01	PALLET, CUSHION (KP-46XBR35)

REMOTE COMMANDER

1-693-156-21	REMOTE COMMANDER (RM-Y114A)
9-902-623-01	COVER, BATTERY (FOR RM-Y114A)
9-902-624-01	COVER (FOR RM-Y114A)

- The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- * : Selected to yield optimum performance.

